

ADA (TRADE NAME) COMPILER VALIDATION SUMMARY REPORT:  
DDC ADA COMPILER SYSTEM VERSION 31 FOR DEC VAX-11/785  
(U) SOFTECH INC FAIRBORN OH 27 DEC 85 3285-2-15.2

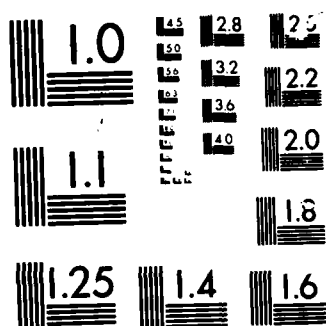
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Ada<sup>®</sup> Compiler Validation Summary Report:  
DDC Ada Compiler System  
Version 3.1  
For DEC VAX-11/785  
(Final)

Contract F33600-84-D-0280  
3285-2-15.2

27 December 1985

Prepared for:

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# ABSTRACT

The purpose of this Validation Summary Report is to present the results and conclusions of performing standardized tests on the Dansk Datamatik Center (DDC) International Ada Compiler System. On-site testing was performed 23-27 SEP 85 at DDC International in Copenhagen, Denmark under the auspices of the Ada Validation Facility (AVF), according to the Ada Validation Office (AVO) policies and procedures. The DDC Ada Compiler (Version 3.1) is hosted on the DEC VAX-11/785 operating under VMS 4.1. The suite of tests known as the Ada Compiler Validation Capability (ACVC), Version 1.6, was used. The ACVC suite of tests is used to validate conformance of the compiler to ANSI/MIL-STD-1815A (Ada). This standard is described in the ANSI Ada Reference Manual, January 1983. Not all tests in the ACVC test suite are applicable to a specific implementation. Also, known test errors in Version 1.6 are present in some tests; these tests were withdrawn. The purpose of the testing is to ensure that the compiler properly implements legal language constructs and that it identifies, rejects from processing, and labels illegal language constructs. The testing also identifies implementation-dependent behavior permitted by the standard. Six classes of tests are used. These tests are designed to perform checks at compile time, during execution, and at link time. The ACVC, Version 1.6, contains 2162 tests, of which 1981 were applicable to this implementation. Of the 1981 applicable tests, 56 were withdrawn due to the occurrence of errors in the tests. Results showed that all of the remaining 1925 valid tests were successfully passed by the DDC Ada Compiler. A complete list of tests and results is provided in this report. The AVF concluded that the results obtained show acceptable compliance to the January 1983 ANSI Ada Reference Manual.



This report has been reviewed and is approved.

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## ABSTRACT

The purpose of this Validation Summary Report is to present the results and conclusions of performing standardized tests on the Dansk Datamatik Center (DDC) International Ada Compiler System. On-site testing was performed 23-27 SEP 85 at DDC International in Copenhagen, Denmark under the auspices of the Ada Validation Facility (AVF), according to the Ada Validation Office (AVO) policies and procedures. The DDC Ada Compiler (Version 3.1) is hosted on the DEC VAX-11/785 operating under VMS 4.1. The suite of tests known as the Ada Compiler Validation Capability (ACVC), Version 1.6, was used. The ACVC suite of tests is used to validate conformance of the compiler to ANSI/MIL-STD-1815A (Ada). This standard is described in the ANSI Ada Reference Manual, January 1983. Not all tests in the ACVC test suite are applicable to a specific implementation. Also, known test errors in Version 1.6 are present in some tests; these tests were withdrawn. The purpose of the testing is to ensure that the compiler properly implements legal language constructs and that it identifies, rejects from processing, and labels illegal language constructs. The testing also identifies implementation-dependent behavior permitted by the standard. Six classes of tests are used. These tests are designed to perform checks at compile time, during execution, and at link time. The ACVC, Version 1.6, contains 2162 tests, of which 1981 were applicable to this implementation. Of the 1981 applicable tests, 56 were withdrawn due to the occurrence of errors in the tests. Results showed that all of the remaining 1925 valid tests were successfully passed by the DDC Ada Compiler. A complete list of tests and results is provided in this report. The AVF concluded that the results obtained show acceptable compliance to the January 1983 ANSI Ada Reference Manual.

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## CHAPTER 1

### INTRODUCTION

#### 1.1 PURPOSE OF THE VALIDATION SUMMARY REPORT

This report describes the results of the validation effort for the following Ada translator:

Host Machine:	DEC VAX-11/785
Operating System:	DEC VMS 4.1
Target Machine:	DEC VAX-11/785
Operating System:	DEC VMS 4.1
Language Version:	ANSI/MIL-STD-1815A Ada
Translator Name:	DDC Ada Compiler System
Translator Version:	3.1
Validator Version:	1.6

Testing of this translator was conducted by SofTech, Inc. under the supervision of the Ada Validation Facility (AVF), Wright-Patterson AFB, Ohio, at the direction of the Ada Joint Program Office (AJPO). Testing was conducted from 23 SEP 85 through 27 SEP 85 at DDC International in Copenhagen, Denmark in accordance with Ada Validation Office (AVO) policies and procedures.

The purpose of this report is to document the results of the testing performed on the compiler. Testing was carried out with specific emphasis on the following factors:

- . to identify any language constructs supported by the translator that do not conform to the Ada Standard
- . to identify any unsupported language constructs required by the Ada Standard

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- . to describe implementation-dependent behavior allowed by the Standard

### 1.2 USE OF THE VALIDATION SUMMARY REPORT

The Ada Validation Office may make full and free public disclosure of this report in accordance with the "Freedom of Information Act" (5 U.S.C. 552). The results of the validation are only for the purpose of satisfying United States Government requirements and apply only to the computers, operating systems, and compiler version identified in this report.

The Ada Compiler Validation Capability (ACVC) is used to determine, insofar as is practical, the degree to which the subject compiler conforms to the Ada Standard. Thus, this report is necessarily discretionary and judgmental. The United States Government does not represent nor warrant that any statement or statements set forth in this report are accurate or complete, or that the subject compiler has no other nonconformances to the Ada Standard. This report is not meant to be used for the purpose of publicizing the findings summarized herein.

Questions regarding this report or the validation tests should be sent to:

Ada Validation Facility (ASD/SIOL)  
Computer Operations Division  
Information Systems and Technology Center  
Wright-Patterson AFB OH 45433-6503

### 1.3 REFERENCES

Reference Manual for the Ada Programming Language, ANSI/MIL-STD-1815A, February 1983.

Ada Validation Organization: Policies and Procedures, Mitre Corporation, June 1982, PB 83-110601.

Ada Compiler Validation Implementers' Guide, SofTech, Inc., October 1980.

"The Ada Compiler Validation Capability," Computer, Vol. 14, No. 6, June 1981.

Using the ACVC Tests, SofTech, Inc., February 1984.

#### 1.4 DEFINITIONS OF TERMS

Class A tests are passed if no errors are detected at compile time. Although these tests are constructed to be executable, no checks can be performed at run time to see if the test objective has been met; this distinguishes Class A from Class C tests. For example, a Class A test might check that keywords of other languages (other than those already reserved in Ada) are not treated as reserved words by an Ada implementation.

Class B tests are illegal programs. They are passed if all the errors they contain are detected at compile time (or link time) and no legal statements are considered illegal by the compiler.

Class C tests consist of executable self-checking programs. They are passed if they complete execution and do not report failure.

Class D tests are capacity tests. Since there are no firm criteria for the number of identifiers permitted in a compilation, number of units in a library, etc., a compiler may refuse to compile a Class D test. However, if such a test is successfully compiled, it should execute without reporting a failure.

Class E tests provide information about an implementation's interpretation of the Standard. Each test has its own pass/fail criterion.

Class L tests consist of illegal programs whose errors are expected to be detected at link time. They are passed if errors are detected prior to beginning execution of the main program.

**CUSTOMER:** The agency requesting the validation (DDC International).

**HOST:** The computer on which the compiler executes (DEC VAX-11/785).

**ACVC:** The Ada Compiler Validation Capability.

**AVO:** The Ada Validation Office. In the context of this report, the AVO is responsible for setting policies and procedures for compiler validations.

**AVF:** The Ada Validation Facility, Wright-Patterson Air Force Base. In the context of this report, the AVF is responsible for conducting compiler validations.

**TARGET:** The computer for which a compiler generates object code (DEC VAX-11/785).

**VALIDATION:** The process of validating a compiler. The term is used interchangeably with test or compiler test.

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**VALIDATION TESTS:** The generic term used to refer to a set of test programs which evaluate how closely a compiler conforms to its language specification. In this report, the term will be used (unqualified) to mean the ACVC tests.

## CHAPTER 2

### TEST ANALYSIS

The following table shows that the DDC Ada Compiler System passed all applicable correct tests.

	A	B	C	D	E	L	Total
Passed	61	786	1052	15	8	3	1925
Failed	0	0	0	0	0	0	0
Inapplicable	0	1	178	2	0	0	181
Withdrawn	0	13	43	0	0	0	56
Total	61	800	1273	17	8	3	2162

Of the 2162 tests in the suite, 26 tests were processed but were found to be not applicable to the compiler. Another 155 tests were known to be not applicable because the digits value in those tests exceeded this implementation's value of `SYSTEM.MAX_DIGITS`, 15. These tests were not processed (see section 4.2.6).

In addition, 56 tests were withdrawn from the test suite because they did not conform to ANSI/MIL-STD-1815A, the Ada Language Standard (see section 4.2.5 for details).

#### 2.1 CLASS A TESTING

Class A tests check to ensure that legal Ada programs can be successfully compiled. These tests are executed but contain no executable self-checking capabilities. In this validation, 61 Class A test programs were processed.

##### 2.1.1 Class A Test Procedures

Each Class A test is separately compiled and executed. However, the only purpose of execution is to produce a message indicating that the test

## Test Analysis

passed.

### 2.1.2 Class A Test Results

Successful compilation and execution without any error messages indicates that the tests passed. No Class A tests were withdrawn because of errors in the tests. This implementation passed all 61 Class A tests. See section 4.2.7 for further information.

The test, AE2101A-B.ADA, was split before compilation because it was too large to compile. This test compiled and executed all splits with no errors.

## 2.2 CLASS B TESTING

Class B tests check the ability to recognize illegal language usage. Of the 800 Class B tests, 787 Class B tests were processed. Thirteen Class B tests were found to be incorrect (i.e., a conforming compiler would have failed the test - see section 4.2.5) and were not processed.

### 2.2.1 Class B Test Procedures

Each Class B test is separately compiled. The resulting test compilation listings are manually examined to see whether every illegal construct in the test is detected. If all errors are not detected, a version of the test is created that contains only undetected illegal constructs. This "split" version is recompiled and the results are analyzed. If all errors are still not detected, the revision process is repeated until a revised test contains only a single illegal construct.

A Class B test is considered to fail only if a version of the test containing a single illegal construct is accepted by the compiler (i.e., an illegal construct is not detected) or a version containing no errors is rejected (i.e., a legal construct is rejected).

### 2.2.2 Class B Test Results

Of the 800 Class B tests, 787 tests were presented to the compiler and 1 test was found to be inapplicable to this implementation (see section 4.2.6); 13 tests were found to be incorrect (i.e., a conforming compiler would have failed the test - see section 4.2.5) and were not processed. This implementation passed all 786 applicable Class B tests. See section 4.2.7 for further information.

Because some errors were not detected when compiling the original tests, the following 11 tests were modified by removing the detected errors and the split tests were processed:

B22003A.ADA  
B29001A-B.ADA  
B33004A.ADA  
B35101A.ADA  
B97101A-AB.ADA  
B97101E-AB.ADA  
B97102A-AB.ADA  
B37301A.ADA  
B55A01A-AB.ADA  
B67001C-B.ADA  
B67001D-B.ADA

For the modified tests, all illegal constructs were detected.

### 2.3 CLASS C TESTING

Class C tests check to ensure that legal Ada programs are correctly compiled and executed by an implementation. Of the 1273 Class C tests, 1075 tests were processed in this validation. The 155 tests requiring a floating point precision exceeding SYSTEM.MAX\_DIGITS and 43 tests withdrawn because of errors in the tests were not processed.

#### 2.3.1 Class C Test Procedures

Each Class C test is separately compiled and executed. The tests are self-checking and produce PASS/FAIL messages. Any "failed" tests are individually checked to see if they are correct and if they are applicable to the implementation.

#### 2.3.2 Class C Test Results

Of the 1273 Class C tests, 43 tests were withdrawn because of errors in the tests (see section 4.2.5), and 178 were determined to be inapplicable (see section 4.2.6). Included in the inapplicable tests were the 155 tests requiring a floating point precision exceeding SYSTEM.MAX\_DIGITS which were not processed. This implementation passed the 1052 applicable tests. See section 4.2.7 for further information.

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### 2.4 CLASS D TESTING

Class D tests are executable tests used to check an implementation's compilation and execution capacities. In this validation, 17 Class D tests were processed.

#### 2.4.1 Class D Test Procedures

Each Class D test is separately compiled and executed. The tests are self-checking and produce PASS/FAIL messages.

#### 2.4.2 Class D Test Results

Of the 17 Class D tests, this implementation passed 15, and 2 were found to be inapplicable to this implementation (see section 4.2.6). None of the Class D tests were withdrawn. See section 4.2.7 for further information.

### 2.5 CLASS E TESTING

Class E tests are executable tests that provide information about an implementer's interpretation of the Standard in areas where the Standard permits implementations to differ. Each test has its own PASS/FAIL criterion. In this validation, eight Class E tests were processed.

#### 2.5.1 Class E Test Procedures

Each Class E test is separately compiled and executed. The tests are self-checking and produce commentary and PASS/FAIL messages.

#### 2.5.2 Class E Test Results

This implementation passed all eight Class E tests. See section 4.2.7 for further information.

### 2.6 CLASS L TESTING

Class L tests check to ensure that incomplete or illegal Ada programs involving multiple, separately compiled source files are not allowed to execute. Three Class L test programs were processed in this validation.



### 2.6.1 Class L Test Procedures

Each Class L test is separately compiled, and execution is attempted. The tests produce FAIL messages if executed.

### 2.6.2 Class L Test Results

This implementation passed all three Class L tests, and none of the Class L tests were withdrawn due to errors in the tests. See section 4.2.7 for further information.

## 2.7 SUPPORT UNITS

Three support packages are compiled to be used by the rest of the ACVC tests. The CHECK\_FILE package is used by many of the chapter 14 tests to check the contents of a text file. The REPORT package provides the mechanism for reporting pass/fail/nonapplicable results of executable tests. The VAR\_STRINGS package defines types and routines for manipulating varying-length character strings.

### 2.7.1 Support Unit Test Procedures

The CZ tests check the functions and procedures specified by the three support packages.

### 2.7.2 Support Unit Test Results

All three support packages compiled and passed. All seven CZ tests executed successfully.

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There were no nonconformances to the Ada Standard detected in this validation. The DDC Ada Compiler passed all applicable correct tests.

## CHAPTER 4

### ADDITIONAL INFORMATION

This section describes in more detail how the validation was conducted.

#### 4.1 COMPILER PARAMETERS

Certain tests do not apply to all Ada compilers; for example, compilers are not required to support several predefined floating point types. Therefore, tests must be selected based on the predefined types an implementation actually supports. In addition, some tests are parameterized according to the maximum input source line length allowed by an implementation, the maximum floating point precision supported, etc. The implementation-dependent parameters used in performing this validation were:

- . maximum lexical element length: 126
- . maximum digits value for floating point types: 15
- . SYSTEM.MIN\_INT: -2\_147\_483\_648
- . SYSTEM.MAX\_INT: 2\_147\_483\_647
- . predefined numeric types: FLOAT, INTEGER, SHORT\_INTEGER, LONG\_INTEGER, LONG\_FLOAT
- . INTEGER'FIRST: -32768
- . INTEGER'LAST: 32767
- . source character set: ASCII
- . extended ASCII characters:  
"abcdefghijklmnopqrstuvwxyz!\$%&'[]`{}~"

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- . non-ASCII char type: (NON\_NULL)
- . TEXT\_IO.COUNT'LAST: 32\_767
- . TEXT\_IO.FIELD'LAST: 35
- . illegal external file name1: abc\*defghij
- . illegal external file name2:  
                  abcdefghijklmnopqrstuvwxyzabcdefghijklmn
- . SYSTEM.PRIORITY'FIRST: 0
- . SYSTEM.PRIORITY'LAST: 15

#### 4.2 TESTING INFORMATION

Tests were compiled and executed at DDC International in Copenhagen, Denmark. The tests were executed on a DEC VAX-11/785 operating under DEC VMS 4.1 using command procedures prepared by DDC International and reviewed by the validation team.

##### 4.2.1 Pre-Test Procedures

Prior to traveling to Copenhagen to run the validation suite, the validation team performed a pre-validation review of the DDC Ada Compiler System. The validation team received a magnetic tape in VAX BACKUP format from DDC International containing the ACVC Version 1.6 test results of the compiler. The validation team examined the test results from each test and determined the acceptability of the test results.

Prior to testing, appropriate values for the compiler-dependent parameters were determined. These values were used to adapt tests that depend on the values. Tests requiring splits as determined by prevalidation were modified as required. A magnetic tape containing the ACVC 1.6 test suite, the adapted tests, and the split tests was prepared and taken to the testing site.

##### 4.2.2 Control Files

DDC International provided command procedures that compiled and executed tests automatically.

#### 4.2.3 Test Procedures

A VAX BACKUP format magnetic tape, brought by the validation team, was used to load the ACVC tests to disk on a VAX-11/785. The tests were loaded into one directory and distributed into sub-directories by chapter to facilitate the test execution.

The REPORT and VAR\_STRINGS packages and procedure CHECK\_FILE were compiled, and the corresponding library files were saved. The CZ tests checking the REPORT and VAR\_STRINGS packages and CHECK\_FILE procedure were then executed. The remaining tests were then executed in chapter order using two batch queues. The B tests and L tests were run in one queue and the executable tests were run in the other queue. The results of each test were checked manually by the validation team. The test results were saved on disk and also saved in VAX BACKUP format on magnetic tape.

All withdrawn tests were not run.

#### 4.2.4 Test Analysis Procedures

On completion of testing, all results were analyzed for failed Class A, C, D, E, or L programs, and all Class B compilation results were individually analyzed. Analysis procedures are described for each test class in chapter 2.

#### 4.2.5 Description Of Errors In Withdrawn Tests

The following tests have been withdrawn from Version 1.6 of the Ada Compiler Validation Capability (ACVC) for the reasons given below.

- . C45521A through C45521Y (25 tests): Cases C and I define the model interval for the result too narrowly.
- . C48005C: Lines 38 and 63 of this test should check that the value of the designated object is null.
- . C64103C: This test should raise CONSTRAINT\_ERROR during the conversion at line 179.
- . C64103D: This test involves a CONSTRAINT\_ERROR vs. NUMERIC\_ERROR issue that is to be resolved by the Language Maintenance Committee.
- . C64105E and C64105F: For case E, ensure that non-null dimensions of formal and actual parameters belong to both index subtypes.

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- . B66001A: This test checks (in section G) that a function without parameters, which is equivalent to an enumeration literal in the same declarative region, is a redeclaration and as such is forbidden. According to section 8.3, paragraph 17, of the Ada Reference Manual, the explicit declaration of such a function is allowed if an enumeration literal is considered to be an implicitly declared predefined operation. The Ada Reference Manual is not clear on this point. This issue has been referred to the Language Maintenance Committee for resolution.
- . B67001A: Line 414 is missing the "BEGIN NULL; END;" needed to complete the block beginning at line 389 (case H).
- . B67004A: The default name for a formal generic equality function should not be allowed to be "/" unless an expanded name is used.
- . C93005B and C93005C: These tests contain a declaration of an integer variable whose initialization is solely for the purpose of raising an exception. Some compilers will not raise this exception due to their optimization.
- . C93007B: This test should check for PROGRAM\_ERROR rather than TASKING\_ERROR.
- . CA1003B: A compilation that contains an illegal compilation unit may now be rejected as a whole.
- . CA1011A: The test objective is incorrect.
- . CA1108A: A pragma ELABORATE is needed for OTHER\_PKG at line 25.
- . CA1108B: A pragma ELABORATE is needed for FIRST\_PKG at line 39 and for LATER\_PKG at line 49.
- . CA2009B and CA2009E: The repetition of the main procedure after the subunit body makes the subunit body obsolete; therefore, an attempt to execute the main procedure will fail.
- . CA2009F: The file CA2009F2 is missing from this test suite.
- . BC1013A: The declaration of equality in lines 86-87 is illegal because the parameter type T declared in line 11 is not a limited type.
- . BC3204A through BC3204D (4 tests), BC3205A through BC3205D (4 tests), and BC3405B: Instantiations with types that have default discriminants are now legal.
- . CE3603A: A string argument is null and no attempt to read it is made, so END\_ERROR should not be raised.

- . CE3604A: In cases 5, 8, 9, and 11, SKIP\_LINE is called only if the end of the output string has not been met.
- . CE3704M: A superfluous SKIP\_LINE causes the input and output operations to be out of synchronization.

#### 4.2.6 Description Of Inapplicable Tests

The following 181 tests were found to be not applicable for this implementation for the reasons given below.

- . Tests C24113I, C24113J, and C24113K are not applicable because they contain literals which exceed this implementation's maximum line length of 126 characters.
- . C24113L through C24113Y, C35705L through C35705Y, C35706L through C35706Y, C35707L through C35707Y, C35708L through C35708Y, C35802L through C35802Y, C45241L through C45241Y, C45321L through C45321Y, C45421L through C45421Y, C45424L through C45424Y, and C45621L through C45621Z (  $(10 \times 14) + 15 = 155$  tests) use floating-point precision that exceeds the maximum of 15 digits supported by this implementation.
- . Tests C34001F, C35702A, and B86001CP are not applicable because this implementation does not support SHORT\_FLOAT.
- . Tests D4A002B and D4A004B are not applicable because the compiler does not support 64-bit universal integer calculations.
- . Test C96005B is not applicable for this implementation because the smallest and largest values in type DURATION are equal to the smallest and largest values in DURATION's base type.
- . Test CA2009C is not applicable because this implementation requires that subunits of a generic unit be part of the same compilation.
- . Tests CE2107B, CE2107C, CE2107D, CE2107E, CE2110B, CE3111B, CE3111C, CE3111D, CE3111E, CE3114B, and CE3115A are not applicable because sharing of external files is not allowed for modes INOUT\_FILE and OUT\_FILE for this implementation.
- . Tests CE2108A, CE2108C, and CE3112A are not applicable because temporary files do not have names in this implementation.
- . Test CE2111D is inapplicable because this test attempts to create a file of mode IN\_FILE and USE\_ERROR was raised.

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Additional Information

- . Test CE2401D is inapplicable because the maximum element size allowed for external files in this implementation is 32767 bytes. When dealing with I/O of unconstrained types, this compiler assumes a record size equal to the largest possible object of that type. This test attempts to create a file of unconstrained records having a size equal to 131072 bytes.

#### 4.2.7 Information Derived From The Tests

Processing of the following tests indicated support as described below for a variety of implementation options examined by the tests.

- . E24101A: When a based literal exceeds SYSTEM.MAX\_INT, the compiler raises NUMERIC\_ERROR at execution time.
- . B26005A: This test contains all the ASCII control characters in string literals. The system replaced the control characters corresponding to format effectors with a space in the listing file. All occurrences were identified with a diagnostic message by the DDC Ada Compiler.
- . E36202A: For an array having a dimension greater than INTEGER'LAST and a component which is a null BOOLEAN array, NUMERIC\_ERROR is raised when the type declaration is elaborated.
- . E36202B: For an array having a dimension greater than SYSTEM.MAX\_INT and a component which is a null BOOLEAN array, an exception is raised when the type declaration is elaborated.
- . E38104A: An incomplete type with discriminants can be used in an access type definition and can be constrained either at that point or in later subtype indications.
- . E43212B: All choices are not evaluated before subaggregates are checked for identical bounds.
- . D4A002B and D4A004B: This implementation does not support 64-bit universal integer calculations.
- . C52103X: A packed BOOLEAN array of length INTEGER'LAST + 3 results in NUMERIC\_ERROR being raised when checking length during slice assignment.
- . E52103Y: A null array with one dimension of length greater than INTEGER'LAST does not result in NUMERIC\_ERROR when array objects are declared or assigned.



- . C52104X: For a packed Boolean array with INTEGER'LAST + 3 components, the DDC Ada Compiler raises NUMERIC\_ERROR when array objects are sliced.
- . D55A03H: The compiler successfully compiles units containing at least 65 levels of loop nesting.
- . D56001B: The compiler successfully compiles units containing at least 65 levels of block nesting.
- . LA3004A and LA3004B: Pragma INLINE is supported for subprograms and functions.
- . AE2102C: SEQUENTIAL\_IO and DIRECT\_IO can be instantiated with unconstrained array types and record types with discriminants.

## CHAPTER 5

### SUMMARY AND CONCLUSIONS

The Ada Validation Facility identified 2007 of the 2162 tests of the ACVC Version 1.6 as being applicable to the validation of the DDC Ada Compiler hosted on the DEC VAX-11/785. Of these, 56 were withdrawn due to test errors, and 26 more were determined to be inapplicable after they were processed. The compiler passed the remaining 1925 tests.

The AVF considers these results to show acceptable compliance to the January 1983 ANSI Ada Reference Manual.

## APPENDIX A

### COMPLETE LIST OF TESTS AND RESULTS

This Appendix gives a complete list of the ACVC test files used in the validation attempt, presented in order by ACVC Implementers' Guide (Ada Reference Manual) section and objective.

To obtain more information about a test itself, the reader may refer to the test name which indicates the class of the test and which test objective in the ACVC Implementers' Guide applies to the test. The name is interpreted as follows, where the first column below indicates the character position in the name and the second column, the meaning of that position:

- |      |                                                                           |
|------|---------------------------------------------------------------------------|
| 1    | Class of test (A, B, C, D, E, L).                                         |
| 2    | Implementers' Guide chapter number (in hexadecimal).                      |
| 3    | Implementers' Guide section number within a chapter (in hexadecimal).     |
| 4    | Implementers' Guide subsection number or letter.                          |
| 5, 6 | Implementers' Guide Test Objective number (two-digit decimal number).     |
| 7    | Test sequence letter (A-Z).                                               |
| 8    | Compilation sequence digit or letter (0-9,A-Z).                           |
| 9    | When there are several compilation units, "M" indicates the main program. |

Characters 8 and 9 are only present for tests that consist of several separately compiled units. A series of separately compiled units is counted as one test for reporting purposes. The eighth character indicates the order in which the units are to be compiled (unit 0 is compiled first). The ninth character is only present for the main program and is always "M".

The suffix -AB means the test was written prior to release of the ANSI Standard and is also valid for the version of Ada published in July 1980. The suffix -B means the test was written specifically for the ANSI Standard. Tests without a suffix have not yet had their names revised to -AB.

A file name ending with .TST means the test depends on one or more of the implementation-dependent parameters listed in section 4.1. A file name ending with .DEP means the test is not necessarily applicable to all

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implementations.

The result for each file is also given, where:

P = passed.  
F = failed.  
N/A = not applicable to this implementation.  
W = withdrawn due to test errors.  
C = compiled without error.

Indented names are separately compiled units (subtests) of the test under which they appear. A sequence of indented subtest names comprise one test for reporting purposes.

The results for each test file were as follows:

Support Units

VAR_STRINGS_SPEC.ADA	P
VAR_STRINGS_BODY.ADA	P
REPORT_SPEC-AB.ADA	P
REPORT_BODY-B.ADA	P
CHECK_FILE-B.ADA	P
CZ1101A-AB.ADA	P
CZ1102A-AB.ADA	P
CZ1103A-B.ADA	P
CZ1201A-AB.ADA	P
CZ1201B-AB.ADA	P
CZ1201C-AB.ADA	P
CZ1201D-AB.ADA	P

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A21001A.ADA	P	B23002A.ADA	P	C24113C-B.DEP	P
A22002A.ADA	P	B23003D-AB.TST	P	C24113D-B.DEP	P
A26004A.TST	P	B23003E-AB.TST	P	C24113E-B.DEP	P
A29002A-B.ADA	P	B23003F-AB.TST	P	C24113F-B.DEP	P
A29002B-B.ADA	P	B23004A.ADA	P	C24113G-B.DEP	P
A29002C-B.ADA	P	B23004B.ADA	P	C24113H-B.DEP	P
A29002D-B.ADA	P	B24001A.ADA	P	C24113I-B.DEP	N/A
A29002E-B.ADA	P	B24001B.ADA	P	C24113J-B.DEP	N/A
A29002F-B.ADA	P	B24001C.ADA	P	C24113K-B.DEP	N/A
A29002G-B.ADA	P	B24005A.ADA	P	C24113L-B.DEP	N/A
A29002H-B.ADA	P	B24005B.ADA	P	C24113M-B.DEP	N/A
A29002I-B.ADA	P	B24104A.ADA	P	C24113N-B.DEP	N/A
A29002J-B.ADA	P	B24104B.ADA	P	C24113O-B.DEP	N/A
B22001A-AB.TST	P	B24104C.ADA	P	C24113P-B.DEP	N/A
B22001B-AB.TST	P	B26002A.ADA	P	C24113Q-B.DEP	N/A
B22001C-AB.TST	P	B26005A.ADA	P	C24113R-B.DEP	N/A
B22001D-AB.TST	P	B29001A-B.ADA	P	C24113S-B.DEP	N/A
B22001E-AB.TST	P	C23001A.ADA	P	C24113T-B.DEP	N/A
B22001F-AB.TST	P	C23003A.TST	P	C24113U-B.DEP	N/A
B22001G-AB.TST	P	C24002A.ADA	P	C24113V-B.DEP	N/A
B22001H-AB.ADA	P	C24002B.ADA	P	C24113W-B.DEP	N/A
B22001I-AB.TST	P	C24002C.ADA	P	C24113X-B.DEP	N/A
B22001J-AB.TST	P	C24003A.TST	P	C24113Y-B.DEP	N/A
B22001K-AB.TST	P	C24003B.TST	P	C26002B.ADA	P
B22001L-AB.TST	P	C24003C.TST	P	C26006A-AB.ADA	P
B22001M-AB.TST	P	C24102A.ADA	P	C26008A-AB.ADA	P
B22001N-AB.TST	P	C24102B.ADA	P	C27001A-AB.ADA	P
B22003A.ADA	P	C24102C.ADA	P	C27002A-B.ADA	P
B22004A.ADA	P	C24103A.ADA	P	D29002K-B.ADA	P
B22004B.ADA	P	C24113A-B.DEP	P	E24101A-B.TST	P
B22004C.ADA	P	C24113B-B.DEP	P		

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A32203B-B.ADA	P	B37004G-B.ADA	P	C34001Q-B.ADA	P
A32203C-B.ADA	P	B37101A.ADA	P	C34001R-B.ADA	P
A32203D-B.ADA	P	B37201A.ADA	P	C34001T-B.ADA	P
A34008B-B.ADA	P	B37202A.ADA	P	C34002A-B.ADA	P
A38106D-B.ADA	P	B37202B.ADA	P	C34002B-B.ADA	P
A38106E-B.ADA	P	B37203A.ADA	P	C35104A.ADA	P
B32103A-AB.ADA	P	B37204A-AB.ADA	P	C35504A-AB.ADA	P
B32106A-B.ADA	P	B37205A-AB.ADA	P	C35504B-B.ADA	P
B32201A-B.ADA	P	B37301A.ADA	P	C35505A.ADA	P
B32202A-B.ADA	P	B37301B.ADA	P	C35505B.ADA	P
B32202B-B.ADA	P	B37302A-AB.ADA	P	C35508A-AB.ADA	P
B32202C-B.ADA	P	B37303A.ADA	P	C35508B-B.ADA	P
B33001A.ADA	P	B37307B-AB.ADA	P	C35702A-AB.DEP	N/A
B33002A.ADA	P	B37309B-AB.ADA	P	C35702B-AB.DEP	P
B33003A.ADA	P	B37310B-B.ADA	P	C35703A.ADA	P
B33003B-AB.ADA	P	B37311A-AB.ADA	P	C35704A-AB.ADA	P
B33003C-AB.ADA	P	B38001A.ADA	P	C35704B-AB.ADA	P
B33004A.ADA	P	B38003A-AB.ADA	P	C35704C-AB.ADA	P
B33006A-B.ADA	P	B38008A-B.ADA	P	C35704D-AB.ADA	P
B34001S-AB.ADA	P	B38008B-AB.ADA	P	C35705A-B.DEP	P
B34008A-B.ADA	P	B38101A-B.ADA	P	C35705B-B.DEP	P
B35101A.ADA	P	B38101B-AB.ADA	P	C35705C-B.DEP	P
B35301A.ADA	P	B38103A-B.ADA	P	C35705D-B.DEP	P
B35501A.ADA	P	B38103B-B.ADA	P	C35705E-B.DEP	P
B35506A.ADA	P	B38103C-B.ADA	P	C35705F-B.DEP	P
B35506B.ADA	P	B38103C0	C	C35705G-B.DEP	P
B35701A.TST	P	B38103C1	C	C35705H-B.DEP	P
B35709A.ADA	P	B38103C2	C	C35705I-B.DEP	P
B35A03A-B.ADA	P	B38103C3M	C	C35705J-B.DEP	P
B36101A-AB.ADA	P	B38105A-AB.ADA	P	C35705K-B.DEP	P
B36102A.ADA	P	B38105B-AB.ADA	P	C35705L-B.DEP	N/A
B36103A.ADA	P	B38106A-B.ADA	P	C35705M-B.DEP	N/A
B36105A-B.ADA	P	B38106B-B.ADA	P	C35705N-B.DEP	N/A
B36171A-B.ADA	P	C32107B-B.ADA	P	C35705O-B.DEP	N/A
B36171B-B.ADA	P	C32203A-B.ADA	P	C35705P-B.DEP	N/A
B36171C-AB.ADA	P	C34001A-B.ADA	P	C35705Q-B.DEP	N/A
B36171D-AB.ADA	P	C34001B-B.ADA	P	C35705R-B.DEP	N/A
B36171E-AB.ADA	P	C34001C-B.ADA	P	C35705S-B.DEP	N/A
B36171F-AB.ADA	P	C34001D-B.DEP	P	C35705T-B.DEP	N/A
B36171G-AB.ADA	P	C34001E-B.DEP	P	C35705U-B.DEP	N/A
B36171H-AB.ADA	P	C34001F-B.DEP	N/A	C35705V-B.DEP	N/A
B36171I-AB.ADA	P	C34001G-B.DEP	P	C35705W-B.DEP	N/A
B36201A-B.ADA	P	C34001H-B.ADA	P	C35705X-B.DEP	N/A
B37003A-AB.ADA	P	C34001I-B.ADA	P	C35705Y-B.DEP	N/A
B37004A-B.ADA	P	C34001K-B.ADA	P	C35706A-B.DEP	P
B37004B-B.ADA	P	C34001L-B.ADA	P	C35706B-B.DEP	P
B37004C-B.ADA	P	C34001M-B.ADA	P	C35706C-B.DEP	P
B37004D-B.ADA	P	C34001N-B.ADA	P	C35706D-B.DEP	P
B37004E-B.ADA	P	C34001O-B.ADA	P	C35706E-B.DEP	P
B37004F-B.ADA	P	C34001P-B.ADA	P	C35706F-B.DEP	P

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C35706G-B.DEP	P	C35708G-B.DEP	P	C36205B.ADA	P
C35706H-B.DEP	P	C35708H-B.DEP	P	C36205C.ADA	P
C35706I-B.DEP	P	C35708I-B.DEP	P	C36205D.ADA	P
C35706J-B.DEP	P	C35708J-B.DEP	P	C36205E.ADA	P
C35706K-B.DEP	P	C35708K-B.DEP	P	C36205F.ADA	P
C35706L-B.DEP	N/A	C35708L-B.DEP	N/A	C36205G.ADA	P
C35706M-B.DEP	N/A	C35708M-B.DEP	N/A	C36205H.ADA	P
C35706N-B.DEP	N/A	C35708N-B.DEP	N/A	C36205I.ADA	P
C35706O-B.DEP	N/A	C35708O-B.DEP	N/A	C36205J.ADA	P
C35706P-B.DEP	N/A	C35708P-B.DEP	N/A	C36205K.ADA	P
C35706Q-B.DEP	N/A	C35708Q-B.DEP	N/A	C36301A-B.ADA	P
C35706R-B.DEP	N/A	C35708R-B.DEP	N/A	C36301B-AB.ADA	P
C35706S-B.DEP	N/A	C35708S-B.DEP	N/A	C36302A.ADA	P
C35706T-B.DEP	N/A	C35708T-B.DEP	N/A	C36303A.ADA	P
C35706U-B.DEP	N/A	C35708U-B.DEP	N/A	C36304A-B.ADA	P
C35706V-B.DEP	N/A	C35708V-B.DEP	N/A	C36305A-AB.ADA	P
C35706W-B.DEP	N/A	C35708W-B.DEP	N/A	C37005A.ADA	P
C35706X-B.DEP	N/A	C35708X-B.DEP	N/A	C37007A-AB.ADA	P
C35706Y-B.DEP	N/A	C35708Y-B.DEP	N/A	C37008A-B.ADA	P
C35707A-B.DEP	P	C35711A-B.ADA	P	C37008B-B.ADA	P
C35707B-B.DEP	P	C35802A-B.DEP	P	C37011A-B.ADA	P
C35707C-B.DEP	P	C35802B-B.DEP	P	C37012A-AB.ADA	P
C35707D-B.DEP	P	C35802C-B.DEP	P	C37013A-AB.ADA	P
C35707E-B.DEP	P	C35802D-B.DEP	P	C37103A-AB.ADA	P
C35707F-B.DEP	P	C35802E-B.DEP	P	C37105A.ADA	P
C35707G-B.DEP	P	C35802F-B.DEP	P	C37208A-B.ADA	P
C35707H-B.DEP	P	C35802G-B.DEP	P	C37208B-AB.ADA	P
C35707I-B.DEP	P	C35802H-B.DEP	P	C37209A.ADA	P
C35707J-B.DEP	P	C35802I-B.DEP	P	C37304A-AB.ADA	P
C35707K-B.DEP	P	C35802J-B.DEP	P	C37305A.ADA	P
C35707L-B.DEP	N/A	C35802K-B.DEP	P	C37306A.ADA	P
C35707M-B.DEP	N/A	C35802L-B.DEP	N/A	C37307A-AB.ADA	P
C35707N-B.DEP	N/A	C35802M-B.DEP	N/A	C37309A-AB.ADA	P
C35707O-B.DEP	N/A	C35802N-B.DEP	N/A	C37310A-AB.ADA	P
C35707P-B.DEP	N/A	C35802O-B.DEP	N/A	C38004A.ADA	P
C35707Q-B.DEP	N/A	C35802P-B.DEP	N/A	C38005A-B.ADA	P
C35707R-B.DEP	N/A	C35802Q-B.DEP	N/A	C38006A-B.ADA	P
C35707S-B.DEP	N/A	C35802R-B.DEP	N/A	C38007A-B.ADA	P
C35707T-B.DEP	N/A	C35802S-B.DEP	N/A	C38102A-AB.ADA	P
C35707U-B.DEP	N/A	C35802T-B.DEP	N/A	C38102B-B.ADA	P
C35707V-B.DEP	N/A	C35802U-B.DEP	N/A	C38102C-B.ADA	P
C35707W-B.DEP	N/A	C35802V-B.DEP	N/A	E36202A-B.ADA	P
C35707X-B.DEP	N/A	C35802W-B.DEP	N/A	E36202B-B.ADA	P
C35707Y-B.DEP	N/A	C35802X-B.DEP	N/A	E38104A-B.ADA	P
C35708A-B.DEP	P	C35802Y-B.DEP	N/A		
C35708B-B.DEP	P	C35904A-B.ADA	P		
C35708C-B.DEP	P	C36172A-B.ADA	P		
C35708D-B.DEP	P	C36174A-B.ADA	P		
C35708E-B.DEP	P	C36204A-B.ADA	P		
C35708F-B.DEP	P	C36205A.ADA	P		

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B41101A-B.ADA	P	B45208A-AB.ADA	P	C41303F-B.ADA	P
B41101C-AB.ADA	P	B45208B-B.ADA	P	C41303G-B.ADA	P
B41102A-AB.ADA	P	B45208C-B.ADA	P	C41303I-B.ADA	P
B41102B-B.ADA	P	B45208G-AB.ADA	P	C41303J-B.ADA	P
B41102C-B.ADA	P	B45208H-B.ADA	P	C41303K-B.ADA	P
B41201A-B.ADA	P	B45208I-B.ADA	P	C41303M-B.ADA	P
B41201C.ADA	P	B45208M-AB.ADA	P	C41303N-B.ADA	P
B41202A-B.ADA	P	B45208N-AB.ADA	P	C41303O-B.ADA	P
B41202B-AB.ADA	P	B45208S-AB.ADA	P	C41303Q-B.ADA	P
B41202C-B.ADA	P	B45208T-AB.ADA	P	C41303R-B.ADA	P
B41202D-B.ADA	P	B45261A-AB.ADA	P	C41303S-B.ADA	P
B41302A-AB.ADA	P	B45261B-AB.ADA	P	C41303U-B.ADA	P
B41302B-AB.ADA	P	B45261C-AB.ADA	P	C41303V-B.ADA	P
B42004A-B.ADA	P	B45261D-AB.ADA	P	C41303W-B.ADA	P
B43101A-B.ADA	P	B45402A.ADA	P	C41304A-B.ADA	P
B43201A-B.ADA	P	B45522A.ADA	P	C41306A-B.ADA	P
B43201B-B.ADA	P	B45533A-AB.ADA	P	C41306B-B.ADA	P
B43201C-B.ADA	P	B48001A-B.ADA	P	C41306C-B.ADA	P
B43201D-B.ADA	P	B48001B-B.ADA	P	C42005A-B.ADA	P
B43202A-B.ADA	P	B48002A-B.ADA	P	C42006A-B.ADA	P
B43202B-B.ADA	P	B48002B-B.ADA	P	C43103A-B.ADA	P
B43202C-B.ADA	P	B48002C-B.ADA	P	C43103B-B.ADA	P
B43203A-B.ADA	P	B48002D-B.ADA	P	C43107A-B.ADA	P
B43203B-B.ADA	P	B48002E-B.ADA	P	C43205A-B.ADA	P
B44001A-B.ADA	P	B48002F-B.ADA	P	C43205B-B.ADA	P
B44002A-B.ADA	P	B48002G-B.ADA	P	C43205C-B.ADA	P
B44002B-B.ADA	P	B48003A-B.ADA	P	C43205D-B.ADA	P
B44002C.ADA	P	B48003B-B.ADA	P	C43205E-B.ADA	P
B45102A-AB.ADA	P	B48003C-B.ADA	P	C43205F-B.ADA	P
B45203A.ADA	P	B48003D-B.ADA	P	C43205G-B.ADA	P
B45203B-AB.ADA	P	B48003E-B.ADA	P	C43205H-B.ADA	P
B45205A-AB.ADA	P	B4A006A-B.ADA	P	C43205I-B.ADA	P
B45206A-AB.ADA	P	B4A016A.ADA	P	C43205J-B.ADA	P
B45206B-B.ADA	P	C41101D-B.ADA	P	C43205K-B.ADA	P
B45207A-AB.ADA	P	C41103A-B.ADA	P	C43206A-B.ADA	P
B45207B-B.ADA	P	C41103B-B.ADA	P	C43207A-B.ADA	P
B45207C-B.ADA	P	C41105A-B.ADA	P	C43207B-B.ADA	P
B45207D-B.ADA	P	C41106A-B.ADA	P	C43207C-B.ADA	P
B45207G-B.ADA	P	C41107A-AB.ADA	P	C43207D-B.ADA	P
B45207H-B.ADA	P	C41201D-B.ADA	P	C43208A-B.ADA	P
B45207I-B.ADA	P	C41203A-B.ADA	P	C43208B-B.ADA	P
B45207J-B.ADA	P	C41203B-B.ADA	P	C43210A-B.ADA	P
B45207M-AB.ADA	P	C41204A.ADA	P	C43211A-B.ADA	P
B45207N-AB.ADA	P	C41205A-B.ADA	P	C43212A-B.ADA	P
B45207O-AB.ADA	P	C41206A.ADA	P	C43212C-B.ADA	P
B45207P-B.ADA	P	C41301A-B.ADA	P	C43213A-B.ADA	P
B45207S-AB.ADA	P	C41303A-B.ADA	P	C43214A-B.ADA	P
B45207T-AB.ADA	P	C41303B-B.ADA	P	C43214B-B.ADA	P
B45207U-AB.ADA	P	C41303C-B.ADA	P	C43214C-B.ADA	P
B45207V-B.ADA	P	C41303E-B.ADA	P	C43214D-B.ADA	P



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C43214E-B.ADA	P	C45241X-B.DEP	N/A	C45421J-B.DEP	P
C43214F-B.ADA	P	C45241Y-B.DEP	N/A	C45421K-B.DEP	P
C43215A-B.ADA	P	C45264A-B.ADA	P	C45421L-B.DEP	N/A
C43215B-B.ADA	P	C45274A-AB.ADA	P	C45421M-B.DEP	N/A
C45101A.ADA	P	C45274B-AB.ADA	P	C45421N-B.DEP	N/A
C45101B.ADA	P	C45274C-AB.ADA	P	C45421O-B.DEP	N/A
C45101C.ADA	P	C45303A-B.ADA	P	C45421P-B.DEP	N/A
C45101E.ADA	P	C45321A-B.DEP	P	C45421Q-B.DEP	N/A
C45101G-AB.ADA	P	C45321B-B.DEP	P	C45421R-B.DEP	N/A
C45101H-AB.ADA	P	C45321C-B.DEP	P	C45421S-B.DEP	N/A
C45101I.ADA	P	C45321D-B.DEP	P	C45421T-B.DEP	N/A
C45103A-AB.ADA	P	C45321E-B.DEP	P	C45421U-B.DEP	N/A
C45103B-AB.ADA	P	C45321F-B.DEP	P	C45421V-B.DEP	N/A
C45103C-AB.ADA	P	C45321G-B.DEP	P	C45421W-B.DEP	N/A
C45104A.ADA	P	C45321H-B.DEP	P	C45421X-B.DEP	N/A
C45105A-AB.ADA	P	C45321I-B.DEP	P	C45421Y-B.DEP	N/A
C45105B-B.ADA	P	C45321J-B.DEP	P	C45424A-B.DEP	P
C45106A.ADA	P	C45321K-B.DEP	P	C45424B-B.DEP	P
C45201A.ADA	P	C45321L-B.DEP	N/A	C45424C-B.DEP	P
C45201B.ADA	P	C45321M-B.DEP	N/A	C45424D-B.DEP	P
C45202A-AB.ADA	P	C45321N-B.DEP	N/A	C45424E-B.DEP	P
C45210A.ADA	P	C45321O-B.DEP	N/A	C45424F-B.DEP	P
C45220A.ADA	P	C45321P-B.DEP	N/A	C45424G-B.DEP	P
C45220B.ADA	P	C45321Q-B.DEP	N/A	C45424H-B.DEP	P
C45220C.ADA	P	C45321R-B.DEP	N/A	C45424I-B.DEP	P
C45220D.ADA	P	C45321S-B.DEP	N/A	C45424J-B.DEP	P
C45220E-B.ADA	P	C45321T-B.DEP	N/A	C45424K-B.DEP	P
C45241A-B.DEP	P	C45321U-B.DEP	N/A	C45424L-B.DEP	N/A
C45241B-B.DEP	P	C45321V-B.DEP	N/A	C45424M-B.DEP	N/A
C45241C-B.DEP	P	C45321W-B.DEP	N/A	C45424N-B.DEP	N/A
C45241D-B.DEP	P	C45321X-B.DEP	N/A	C45424O-B.DEP	N/A
C45241E-B.DEP	P	C45321Y-B.DEP	N/A	C45424P-B.DEP	N/A
C45241F-B.DEP	P	C45342A-AB.ADA	P	C45424Q-B.DEP	N/A
C45241G-B.DEP	P	C45343A-AB.ADA	P	C45424R-B.DEP	N/A
C45241H-B.DEP	P	C45345A-AB.ADA	P	C45424S-B.DEP	N/A
C45241I-B.DEP	P	C45345B-AB.ADA	P	C45424T-B.DEP	N/A
C45241J-B.DEP	P	C45345C-AB.ADA	P	C45424U-B.DEP	N/A
C45241K-B.DEP	P	C45345D-AB.ADA	P	C45424V-B.DEP	N/A
C45241L-B.DEP	N/A	C45401A.ADA	P	C45424W-B.DEP	N/A
C45241M-B.DEP	N/A	C45401B-AB.ADA	P	C45424X-B.DEP	N/A
C45241N-B.DEP	N/A	C45413A-B.ADA	P	C45424Y-B.DEP	N/A
C45241O-B.DEP	N/A	C45421A-B.DEP	P	C45505A-B.ADA	P
C45241P-B.DEP	N/A	C45421B-B.DEP	P	C45521A-B.DEP	W
C45241Q-B.DEP	N/A	C45421C-B.DEP	P	C45521B-B.DEP	W
C45241R-B.DEP	N/A	C45421D-B.DEP	P	C45521C-B.DEP	W
C45241S-B.DEP	N/A	C45421E-B.DEP	P	C45521D-B.DEP	W
C45241T-B.DEP	N/A	C45421F-B.DEP	P	C45521E-B.DEP	W
C45241U-B.DEP	N/A	C45421G-B.DEP	P	C45521F-B.DEP	W
C45241V-B.DEP	N/A	C45421H-B.DEP	P	C45521G-B.DEP	W
C45241W-B.DEP	N/A	C45421I-B.DEP	P	C45521H-B.DEP	W

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C45521I-B.DEP	W	C45621L.DEP	N/A	C48008A-B.ADA	P
C45521J-B.DEP	W	C45621M.DEP	N/A	C48008B-B.ADA	P
C45521K-B.DEP	W	C45621N.DEP	N/A	C48008C-B.ADA	P
C45521L-B.DEP	W	C45621O.DEP	N/A	C48008D-B.ADA	P
C45521M-B.DEP	W	C45621P.DEP	N/A	C48009A-B.ADA	P
C45521N-B.DEP	W	C45621Q.DEP	N/A	C48009B-B.ADA	P
C45521O-B.DEP	W	C45621R.DEP	N/A	C48009C-B.ADA	P
C45521P-B.DEP	W	C45621S.DEP	N/A	C48009D-B.ADA	P
C45521Q-B.DEP	W	C45621T.DEP	N/A	C48009E-B.ADA	P
C45521R-B.DEP	W	C45621U.DEP	N/A	C48009F-B.ADA	P
C45521S-B.DEP	W	C45621V.DEP	N/A	C48009G-B.ADA	P
C45521T-B.DEP	W	C45621W.DEP	N/A	C48009H-B.ADA	P
C45521U-B.DEP	W	C45621X.DEP	N/A	C48009I-B.ADA	P
C45521V-B.DEP	W	C45621Y.DEP	N/A	C48009J-B.ADA	P
C45521W-B.DEP	W	C45621Z.DEP	N/A	C48010A-B.ADA	P
C45521X-B.DEP	W	C48004A-B.ADA	P	C48012A-B.ADA	P
C45521Y-B.DEP	W	C48004B-B.ADA	P	C4A001A.ADA	P
C45526A-B.ADA	P	C48004C-B.ADA	P	C4A003A.ADA	P
C45621A.DEP	P	C48004D-B.ADA	P	C4A010A-B.ADA	P
C45621B.DEP	P	C48004E-B.ADA	P	C4A011A.ADA	P
C45621C.DEP	P	C48004F-B.ADA	P	C4A013A.ADA	P
C45621D.DEP	P	C48005A-B.ADA	P	D4A002A-AB.ADA	P
C45621E.DEP	P	C48005B-B.ADA	P	D4A002B.ADA	N/A
C45621F.DEP	P	C48005C-B.ADA	W	D4A004A-AB.ADA	P
C45621G.DEP	P	C48006A-B.ADA	P	D4A004B.ADA	N/A
C45621H.DEP	P	C48006B-B.ADA	P	E43211B-B.ADA	P
C45621I.DEP	P	C48007A-B.ADA	P	E43212B-B.ADA	P
C45621J.DEP	P	C48007B-B.ADA	P		
C45621K.DEP	P	C48007C-B.ADA	P		

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C52103H-AB.ADA	P	C54A07A-AB.ADA	P	C57002A-AB.ADA	P
C52103K-AB.ADA	P	C54A22A-AB.ADA	P	C57003A-AB.ADA	P
C52103L-AB.ADA	P	C54A23A-B.ADA	P	C57004A-AB.ADA	P
C52103M-AB.ADA	P	C54A24A-AB.ADA	P	C57004B-AB.ADA	P
C52103P-AB.ADA	P	C54A24B.ADA	P	C57004C-AB.ADA	P
C52103Q-AB.ADA	P	C54A26A.ADA	P	C57005A-B.ADA	P
C52103R-AB.ADA	P	C54A27A-AB.ADA	P	C58004A-AB.ADA	P
C52103S-B.ADA	P	C54A41A.ADA	P	C58004B-AB.ADA	P
C52103X-B.ADA	P	C54A42A.ADA	P	C58004C-AB.ADA	P
C52104A-AB.ADA	P	C54A42B.ADA	P	C58004D-B.ADA	P
C52104B-AB.ADA	P	C54A42C.ADA	P	C58004F-AB.ADA	P
C52104C-AB.ADA	P	C54A42D.ADA	P	C58004G-AB.ADA	P
C52104F-AB.ADA	P	C54A42E.ADA	P	C58005A-AB.ADA	P
C52104G-AB.ADA	P	C54A42F.ADA	P	C58005B-AB.ADA	P
C52104H-AB.ADA	P	C54A42G.ADA	P	C58005H-AB.ADA	P
C52104K-AB.ADA	P	C55B03A-AB.ADA	P	C58006A-AB.ADA	P
C52104L-AB.ADA	P	C55B04A-AB.ADA	P	C58006B-AB.ADA	P
C52104M-AB.ADA	P	C55B05A-AB.ADA	P	C59001B-AB.ADA	P
C52104P-AB.ADA	P	C55B06A-AB.ADA	P	C59002A-AB.ADA	P
C52104Q-AB.ADA	P	C55B06B-AB.ADA	P	C59002B-AB.ADA	P
C52104R-AB.ADA	P	C55B07A-AB.DEP	P	C59002C-B.ADA	P
C52104X-B.ADA	P	C55B07B-AB.DEP	P	D55A03A-AB.ADA	P
C52104Y-B.ADA	P	C55B08A-B.ADA	P	D55A03B-AB.ADA	P
C53004B-B.ADA	P	C55B09A-AB.ADA	P	D55A03C-AB.ADA	P
C53005A-AB.ADA	P	C55B15A-B.ADA	P	D55A03D-AB.ADA	P
C53005B-AB.ADA	P	C55B16A-AB.DEP	P	D55A03E-AB.ADA	P
C53006A-AB.ADA	P	C55C01A-B.ADA	P	D55A03F-AB.ADA	P
C53006B-AB.ADA	P	C55C02A-AB.ADA	P	D55A03G-AB.ADA	P
C53007A-AB.ADA	P	C55C02B-AB.ADA	P	D55A03H-AB.ADA	P
C53008A-AB.ADA	P	C55C03A-AB.ADA	P	D56001B-AB.ADA	P
C54A03A.ADA	P	C55C03B-AB.ADA	P	E52103Y-B.ADA	P
C54A04A-AB.ADA	P	C55D01A-AB.ADA	P		
C54A06A-AB.ADA	P	C56002A-AB.ADA	P		

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A62006D-B.ADA	P	B63102A-B.ADA	P	C64103B-B.ADA	P
A63202A-AB.ADA	P	B63103A-B.ADA	P	C64103C-B.ADA	W
B61001A-AB.ADA	P	B64001A-B.ADA	P	C64103D-B.ADA	W
B61001B-AB.ADA	P	B64002A-B.ADA	P	C64103E-B.ADA	P
B61001C-AB.ADA	P	B64002C-B.ADA	P	C64103F-B.ADA	P
B61001D-AB.ADA	P	B64003A-B.ADA	P	C64104A-AB.ADA	P
B61001E-AB.ADA	P	B64004A-B.ADA	P	C64104B-AB.ADA	P
B61001F-AB.ADA	P	B64004B-B.ADA	P	C64104C-AB.ADA	P
B61001G-AB.ADA	P	B64004C-B.ADA	P	C64104D-AB.ADA	P
B61001H-AB.ADA	P	B64004D-B.ADA	P	C64104E-AB.ADA	P
B61001I-AB.ADA	P	B64004E-B.ADA	P	C64104F-AB.ADA	P
B61001J-AB.ADA	P	B64004F-B.ADA	P	C64104G-AB.ADA	P
B61001K-AB.ADA	P	B64006A-B.ADA	P	C64104H-B.ADA	P
B61001L-AB.ADA	P	B64101A-B.ADA	P	C64104I-B.ADA	P
B61001M-AB.ADA	P	B64201A-B.ADA	P	C64104J-B.ADA	P
B61001N-AB.ADA	P	B65001A-B.ADA	P	C64104K-AB.ADA	P
B61001O-AB.ADA	P	B65002A-AB.ADA	P	C64104L-AB.ADA	P
B61001P-AB.ADA	P	B65002B-AB.ADA	P	C64104M-AB.ADA	P
B61001Q-AB.ADA	P	B66001A-B.ADA	W	C64104N-B.ADA	P
B61001R-AB.ADA	P	B66001B-B.ADA	P	C64104O-B.ADA	P
B61001S-AB.ADA	P	B66001C-B.ADA	P	C64105A-AB.ADA	P
B61001T-AB.ADA	P	B67001A-B.ADA	W	C64105B-AB.ADA	P
B61001U-AB.ADA	P	B67001B-B.ADA	P	C64105C-AB.ADA	P
B61001V-AB.ADA	P	B67001C-B.ADA	P	C64105D-AB.ADA	P
B61001W-AB.ADA	P	B67001D-B.ADA	P	C64105E-AB.ADA	W
B61003A-AB.ADA	P	B67001E-B.ADA	P	C64105F-AB.ADA	W
B61006A-B.ADA	P	B67001F-B.ADA	P	C64106A-B.ADA	P
B61011A-B.ADA	P	B67001G-B.ADA	P	C64106B-B.ADA	P
B61012A-B.ADA	P	B67004A-B.ADA	W	C64106C-B.ADA	P
B62001A-AB.ADA	P	C61003B-AB.ADA	P	C64106D-B.ADA	P
B62001B-AB.ADA	P	C61008A-B.ADA	P	C64107A-B.ADA	P
B62001C-AB.ADA	P	C61009A-B.ADA	P	C64108A-B.ADA	P
B62001D-AB.ADA	P	C61010A-AB.ADA	P	C64201B-B.ADA	P
B62006B-B.ADA	P	C62002A-B.ADA	P	C64201C-B.ADA	P
B62006C-B.ADA	P	C62003A-B.ADA	P	C64202A-B.ADA	P
B62006E-B.ADA	P	C62003B-B.ADA	P	C65003A-B.ADA	P
B62006F-B.ADA	P	C62004A-AB.ADA	P	C65003B-B.ADA	P
B63001A-AB.ADA	P	C62006A-B.ADA	P	C66002A-B.ADA	P
B63001B-AB.ADA	P	C63004A-AB.ADA	P	C66002C-AB.ADA	P
B63005A-AB.ADA	P	C64002B-B.ADA	P	C66002D-AB.ADA	P
B63005B-AB.ADA	P	C64004G-B.ADA	P	C66002E-AB.ADA	P
B63005C-AB.ADA	P	C64005A-B.ADA	P	C66002F-AB.ADA	P
B63009A-B.ADA	P	C64005B-B.ADA	P	C66002G-B.ADA	P
B63009B-B.ADA	P	C64005C-B.ADA	P	C67002A-B.ADA	P
B63009C-B.ADA	P	C64005D-B.ADA	P	C67002B-B.ADA	P
B63009C0	C	C64005DQM	C	C67002C-B.ADA	P
B63009C1	C	C64005DA	C	C67002D-B.ADA	P
B63009C2	C	C64005DB	C	C67002E-B.ADA	P
B63009C3	C	C64005DC	C	C67003A-B.ADA	P
B63010A-AB.ADA	P	C64103A-B.ADA	P	C67003B-B.ADA	P

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C67003C-AB.ADA	P	D64005FCM	C	D64005GD	C
C67003D-B.ADA	P	D64005FA	C	D64005GE	C
C67003E-AB.ADA	P	D64005FB	C	D64005GF	C
C67005A-B.ADA	P	D64005FC	C	D64005GG	C
C67005B-B.ADA	P	D64005FD	C	D64005GH	C
C67005C-B.ADA	P	D64005FE	C	D64005GI	C
C67005D-B.ADA	P	D64005FF	C	D64005GJ	C
D64005E-B.ADA	P	D64005FG	C	D64005GK	C
D64005ECM	C	D64005FH	C	D64005GL	C
D64005EA	C	D64005FI	C	D64005GM	C
D64005EB	C	D64005FJ	C	D64005GN	C
D64005EC	C	D64005G-B.ADA	P	D64005GO	C
D64005ED	C	D64005GCM	C	D64005GP	C
D64005EE	C	D64005GA	C	D64005GQ	C
D64005EF	C	D64005GB	C		
D64005F-B.ADA	P	D64005GC	C		

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A71002A-AB.ADA	P	B71001Q-AB.ADA	P	B74105A-B.ADA	P
A71004A-AB.ADA	P	B71001R-AB.ADA	P	B74105C-B.ADA	P
A72001A-AB.ADA	P	B71001T-AB.ADA	P	B74201A-AB.ADA	P
A73001I-AB.ADA	P	B71001U-AB.ADA	P	B74205A-B.ADA	P
A73001J-AB.ADA	P	B71001V-AB.ADA	P	B74205B-B.ADA	P
A74006A-AB.ADA	P	B71001W-AB.ADA	P	B74207A-B.ADA	P
A74105B-B.ADA	P	B71002B-AB.ADA	P	B74301A-B.ADA	P
A74106A-AB.ADA	P	B73001A-AB.ADA	P	B74304A-B.ADA	P
A74106B-AB.ADA	P	B73001B-AB.ADA	P	B74304B-B.ADA	P
A74106C-AB.ADA	P	B73001C-B.ADA	P	B74304C-B.ADA	P
A74205E-B.ADA	P	B73001D-B.ADA	P	B74401A-B.ADA	P
A74205F-B.ADA	P	B73001E-AB.ADA	P	B74401B-B.ADA	P
B71001A-AB.ADA	P	B73001F-AB.ADA	P	B74409A-B.ADA	P
B71001B-AB.ADA	P	B73001G-B.ADA	P	C72001B-AB.ADA	P
B71001C-AB.ADA	P	B73001H-B.ADA	P	C73002A-B.ADA	P
B71001D-AB.ADA	P	B73006A-AB.ADA	P	C74206A-B.ADA	P
B71001E-AB.ADA	P	B74001A-AB.ADA	P	C74207B-B.ADA	P
B71001F-AB.ADA	P	B74001B-AB.ADA	P	C74209A-AB.ADA	P
B71001G-AB.ADA	P	B74003A-B.ADA	P	C74210A-AB.ADA	P
B71001H-AB.ADA	P	B74101A-B.ADA	P	C74211A-B.ADA	P
B71001I-AB.ADA	P	B74103A-B.ADA	P	C74211B-B.ADA	P
B71001J-AB.ADA	P	B74103B-B.ADA	P	C74302A-B.ADA	P
B71001K-AB.ADA	P	B74103C-B.ADA	P	C74305A-B.ADA	P
B71001L-AB.ADA	P	B74103D-B.ADA	P	C74305B-B.ADA	P
B71001M-AB.ADA	P	B74103E-B.ADA	P	C74402A-B.ADA	P
B71001N-AB.ADA	P	B74103F-B.ADA	P	C74402B-B.ADA	P
B71001O-AB.ADA	P	B74103G-B.ADA	P	C74409B-B.ADA	P
B71001P-AB.ADA	P	B74104A-B.ADA	P		

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CHAPTER 8

A83A02A.ADA	P	B86001BK-B.ADA	P	C86002A1	C
A83A02B.ADA	P	B86001BL-B.ADA	P	C86002A2M	C
A83A06A-B.ADA	P	B86001BM-B.ADA	P	C86002B.ADA	P
A83C01C.ADA	P	B86001BO-B.ADA	P	C86002B1	C
A83C01D.ADA	P	B86001BU-B.ADA	P	C86002B2M	C
A83C01E.ADA	P	B86001BV-B.ADA	P	C86003A-B.ADA	P
A83C01F.ADA	P	B86001BW-B.ADA	P	C87A05A-B.ADA	P
A83C01G.ADA	P	B86001BX-B.ADA	P	C87A05B-B.ADA	P
A83C01H.ADA	P	B86001CQM-AB.DEP	P	C87B02A-B.ADA	P
A83C01I.ADA	P	B86001CP-AB.DEP	N/A	C87B02B-B.ADA	P
A83C01J.ADA	P	B86001CQ-AB.DEP	P	C87B03A-B.ADA	P
A85007D-B.ADA	P	B86001CR-AB.DEP	P	C87B04A-B.ADA	P
A85013B-B.ADA	P	B86001CS-AB.DEP	P	C87B04B-B.ADA	P
B83A01A-AB.ADA	P	B86001DOM-AB.TST	P	C87B04C-B.ADA	P
B83A01B-B.ADA	P	B86001DT-AB.TST	P	C87B05A-B.ADA	P
B83A01C.ADA	P	B87B23B-B.ADA	P	C87B06A-B.ADA	P
B83A05A-AB.ADA	P	B87B48C-B.ADA	P	C87B07A-B.ADA	P
B83A06B-B.ADA	P	C83B02A.ADA	P	C87B07B-B.ADA	P
B83A06H-B.ADA	P	C83B02B.ADA	P	C87B07C-B.ADA	P
B83B01A-AB.ADA	P	C83C01B.ADA	P	C87B07D-B.ADA	P
B83B02C.ADA	P	C83E02A.ADA	P	C87B07E-B.ADA	P
B83C01A-AB.ADA	P	C83E02B.ADA	P	C87B08A-B.ADA	P
B83C02A.ADA	P	C83E03A.ADA	P	C87B09A-B.ADA	P
B83E02C-B.ADA	P	C83E04A.ADA	P	C87B09B-B.ADA	P
B83F02A.ADA	P	C83F01A.ADA	P	C87B09C-B.ADA	P
B83F02B.ADA	P	C83F01B.ADA	P	C87B10A-B.ADA	P
B83F04A-AB.ADA	P	C83F01C.ADA	P	C87B11A-B.ADA	P
B84001A-AB.ADA	P	C83F01C0	C	C87B11B-B.ADA	P
B84002B-B.ADA	P	C83F01C1	C	C87B13A-B.ADA	P
B84004A-B.ADA	P	C83F01C2M	C	C87B14A-B.ADA	P
B84006A-B.ADA	P	C83F01D.ADA	P	C87B14B-B.ADA	P
B85007B-B.ADA	P	C83F01DOM.ADA	C	C87B14C-B.ADA	P
B85007C-B.ADA	P	C83F01D1.ADA	C	C87B14D-B.ADA	P
B85012A-B.ADA	P	C83F03A.ADA	P	C87B15A-B.ADA	P
B85013C-B.ADA	P	C83F03B.ADA	P	C87B16A-B.ADA	P
B85015A-B.ADA	P	C83F03C.ADA	P	C87B17A-B.ADA	P
B86001A-AB.ADA	P	C83F03C0	C	C87B18A-B.ADA	P
B86001A0	C	C83F03C1	C	C87B18B-B.ADA	P
B86001A1M	C	C83F03C2M	C	C87B19A-B.ADA	P
B86001BQM-B.ADA	P	C83F03D.ADA	P	C87B23A-B.ADA	P
B86001BA-B.ADA	P	C83F03DOM	C	C87B24A-B.ADA	P
B86001BB-B.ADA	P	C83F03D1	C	C87B24B-B.ADA	P
B86001BC-B.ADA	P	C84002A-B.ADA	P	C87B26B-B.ADA	P
B86001BD-B.ADA	P	C85007A-B.ADA	P	C87B27A-B.ADA	P
B86001BE-B.ADA	P	C85007E-B.ADA	P	C87B28A-B.ADA	P
B86001BF-B.ADA	P	C85013A-B.ADA	P	C87B29A-B.ADA	P
B86001BG-B.ADA	P	C86001E-B.ADA	P	C87B30A-B.ADA	P
B86001BH-B.ADA	P	C86001F-B.DEP	P	C87B31A-B.ADA	P
B86001BI-B.ADA	P	C86002A.ADA	P	C87B32A-B.ADA	P
B86001BJ-B.ADA	P	C86002A0	C	C87B33A-B.ADA	P

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C87B34A-B.ADA	P	C87B37E-B.ADA	P	C87B45C-B.ADA	P
C87B34B-B.ADA	P	C87B37F-B.ADA	P	C87B47A-B.ADA	P
C87B34C-B.ADA	P	C87B38A-B.ADA	P	C87B48A-B.ADA	P
C87B35A-B.ADA	P	C87B39A-B.ADA	P	C87B48B-B.ADA	P
C87B35B-B.ADA	P	C87B40A-B.ADA	P	C87B54A-B.ADA	P
C87B35C-B.ADA	P	C87B41A-B.ADA	P	C87B57A-B.ADA	P
C87B37A-B.ADA	P	C87B42A-B.ADA	P	C87B62A-B.DEP	P
C87B37B-B.ADA	P	C87B43A-B.ADA	P	C87B62B-B.DEP	P
C87B37C-B.ADA	P	C87B44A-B.ADA	P	C87B62C-B.DEP	P
C87B37D-B.ADA	P	C87B45A-B.ADA	P		



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A91002M-B.ADA	P	B950ADA-B.ADA	P	C910EDA-B.ADA	P
A95005A.ADA	P	B950AFA-B.ADA	P	C910BDB-B.ADA	P
A97106A-AB.ADA	P	B950AHA-B.ADA	P	C910BDC-B.ADA	P
B91001A-AB.ADA	P	B950AJA-B.ADA	P	C92002A.ADA	P
B91001B-AB.ADA	P	B950BAA-B.ADA	P	C92003A.ADA	P
B91001C-AB.ADA	P	B950DHA-B.ADA	P	C920AJA-B.ADA	P
B91001D-AB.ADA	P	B96002A-B.ADA	P	C920BAA-B.ADA	P
B91001E-AB.ADA	P	B96003A-B.ADA	P	C920BBA-B.ADA	P
B91001F-AB.ADA	P	B97101A-AB.ADA	P	C920BIA-B.ADA	P
B91001G-B.ADA	P	B97101B-AB.ADA	P	C93001A-B.ADA	P
B91002A-B.ADA	P	B97101C-AB.ADA	P	C93002A-B.ADA	P
B91002B-B.ADA	P	B97101D-AB.ADA	P	C93003A-B.ADA	P
B91002C-B.ADA	P	B97101E-AB.ADA	P	C93005A-B.ADA	P
B91002D-B.ADA	P	B97102A-AB.ADA	P	C93005B-B.ADA	W
B91002E-B.ADA	P	B97102B-AB.ADA	P	C93005C-B.ADA	W
B91002F-B.ADA	P	B97102C-AB.ADA	P	C93006A-AB.ADA	P
B91002G-B.ADA	P	B97102D-AB.ADA	P	C93007B-B.ADA	W
B91002H-B.ADA	P	B97102E-AB.ADA	P	C930ABA-B.ADA	P
B91002I-B.ADA	P	B97102F-AB.ADA	P	C930AEA-B.ADA	P
B91002J-B.ADA	P	B97102G-AB.ADA	P	C930AFA-B.ADA	P
B91002K-B.ADA	P	B97102H-AB.ADA	P	C930AJA-B.ADA	P
B91002L-B.ADA	P	B97102I-AB.ADA	P	C930BAA-B.ADA	P
B91003A-AB.ADA	P	B97103A-AB.ADA	P	C94001A-B.ADA	P
B91004A-B.ADA	P	B97103B-AB.ADA	P	C94002A-B.ADA	P
B910ABA-B.ADA	P	B97103D-AB.ADA	P	C94002B-B.ADA	P
B910ACA-B.ADA	P	B97103E-AB.ADA	P	C94003A-B.ADA	P
B910AEA-B.ADA	P	B97104A-AB.ADA	P	C94004A-B.ADA	P
B910BCA-B.ADA	P	B97104B-AB.ADA	P	C94004B-B.ADA	P
B920ACA-B.ADA	P	B97104C-AB.ADA	P	C94004C-B.ADA	P
B920BDA-B.ADA	P	B97104D-AB.ADA	P	C94005A-B.ADA	P
B920BJA-B.ADA	P	B97104E-AB.ADA	P	C94005B-B.ADA	P
B95001A.ADA	P	B97104F-AB.ADA	P	C94006A-B.ADA	P
B95001B-AB.ADA	P	B97104G-AB.ADA	P	C94007A-B.ADA	P
B95002A.ADA	P	B97107A-AB.ADA	P	C94007B-B.ADA	P
B95004A-AB.ADA	P	B97108A-AB.ADA	P	C94020A-B.ADA	P
B95004B-AB.ADA	P	B97108B-AB.ADA	P	C94021A-B.ADA	P
B95006A.ADA	P	B97109A-AB.ADA	P	C940ABA-B.ADA	P
B95006B-AB.ADA	P	B97110A-AB.ADA	P	C940ACA-B.ADA	P
B95006C-AB.ADA	P	B97110B-AB.ADA	P	C940ACB-B.ADA	P
B95006D-AB.ADA	P	B97111A-AB.ADA	P	C940ADA-B.ADA	P
B95007A-AB.ADA	P	B99001A-AB.ADA	P	C940AGA-B.ADA	P
B95007B-AB.ADA	P	B99001B-B.ADA	P	C940AGB-B.ADA	P
B95020A-B.ADA	P	B99002A-B.ADA	P	C940AHA-B.ADA	P
B95020B-B.ADA	P	B99002B-B.ADA	P	C940AIA-B.ADA	P
B95020B0	C	B99002C-B.ADA	P	C940BAA-B.ADA	P
B95020B1	C	B99003A-AB.ADA	P	C940BBA-B.ADA	P
B95020B2M	C	B9A001A-AB.ADA	P	C95008A-AB.ADA	P
B950ABA-B.ADA	P	B9A001B-AB.ADA	P	C95009A-B.ADA	P
B950ABB-B.ADA	P	C900ACA-B.ADA	P	C95009B.ADA	P
B950ACA-B.ADA	P	C910AHA-B.ADA	P	C95010A.ADA	P

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C95011A.ADA	P	C96005A-B.ADA	P	C97203A-AB.ADA	P
C95012A-B.ADA	P	C96005B-B.TST	N/A	C97203B-AB.ADA	P
C95013A-B.ADA	P	C96005C-B.TST	P	C97204A-B.ADA	P
C95021A-B.ADA	P	C96005D-B.ADA	P	C97303A-AB.ADA	P
C95022A-B.ADA	P	C96005E-B.ADA	P	C97303B-AB.ADA	P
C95022B-B.ADA	P	C96006A-B.ADA	P	C97304A-B.ADA	P
C950ACB-B.ADA	P	C96007A-B.ADA	P	C9A003A-B.ADA	P
C950BGA-B.ADA	P	C96008A-B.ADA	P	C9A004A-B.ADA	P
C950BHA-B.ADA	P	C96008B-B.ADA	P	C9A005A-B.ADA	P
C950BJA-B.ADA	P	C97113A-B.ADA	P	C9A006A-B.ADA	P
C950CAA-B.ADA	P	C97114A-B.ADA	P	C9A007A-B.ADA	P
C950CBA-B.ADA	P	C97115A-B.ADA	P	C9A009A-B.ADA	P
C950CHA-B.ADA	P	C97201A-AB.ADA	P	C9A009B-B.ADA	P
C950CHC-B.ADA	P	C97201D-AB.ADA	P	C9A009C-B.ADA	P
C950DEA-B.ADA	P	C97201E-AB.ADA	P	C9A009D-B.ADA	P
C950DEB-B.ADA	P	C97201G-AB.ADA	P	C9A009E-B.ADA	P
C950DGA-B.ADA	P	C97201H-AB.ADA	P	C9A009F-B.ADA	P
C96001A-B.ADA	P	C97201X-AB.ADA	P	C9A009G-B.ADA	P
C96004A-B.ADA	P	C97202A-AB.ADA	P	C9A009H-B.ADA	P

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BA1011B-B.ADA	P	BA1101B3	C	BA3001E-AB.ADA	P
BA1011BQM	C	BA1101B4	C	BA3001EQM	C
BA1011B1	C	BA1101C-B.ADA	P	BA3001E1	C
BA1011B2	C	BA1101C0	C	BA3001E2	C
BA1011B3	C	BA1101C1	C	BA3001E3	C
BA1011B4	C	BA1101C2M	C	BA3001F-AB.ADA	P
BA1011B5	C	BA1101C3	C	BA3001FCM	C
BA1011B6	C	BA1101C4	C	BA3001F1	C
BA1011B7	C	BA1101C5	C	BA3001F2	C
BA1011B8	C	BA1101D-AB.ADA	P	BA3001F3	C
BA1011C-B.ADA	P	BA1101E-B.ADA	P	BA3006A-B.ADA	P
BA1011COM	C	BA1101F-B.ADA	P	BA3006A0	C
BA1011C1	C	BA1101G-B.ADA	P	BA3006A1	C
BA1011C2	C	BA1101H-B.ADA	P	BA3006A2	C
BA1011C3	C	BA1101H0	C	BA3006A3	C
BA1011C4	C	BA1101H1M	C	BA3006A4	C
BA1011C5	C	BA2001A-AB.ADA	P	BA3006A5	C
BA1011C6	C	BA2001B-AB.ADA	P	BA3006A6M	C
BA1011C7	C	BA2001C-AB.ADA	P	BA3006B-B.ADA	P
BA1011C8	C	BA2001D-AB.ADA	P	BA3006B0	C
BA1020A-B.ADA	P	BA2001E-AB.ADA	P	BA3006B1	C
BA1020AQM	C	BA2001EQM	C	BA3006B2	C
BA1020A1	C	BA2001E1	C	BA3006B3	C
BA1020A2	C	BA2001E2	C	BA3006B4M	C
BA1020A3	C	BA2001F-AB.ADA	P	BA3007A-B.ADA	P
BA1020A4	C	BA2001FCM	C	BA3007A0	C
BA1020A5	C	BA2001F1	C	BA3007A1	C
BA1020A6	C	BA2001F2	C	BA3007A2	C
BA1020A7	C	BA2001G-AB.ADA	P	BA3007A3	C
BA1020A8	C	BA2001GQM	C	BA3007A4	C
BA1020B-B.ADA	P	BA2001G1	C	BA3007A5M	C
BA1020B0	C	BA2003B-AB.ADA	P	BA3007B-B.ADA	P
BA1020B1	C	BA2003BQM	C	BA3007B0	C
BA1020B2	C	BA2003B1	C	BA3007B1	C
BA1020B3	C	BA2013A-B.ADA	P	BA3007B2	C
BA1020B4	C	BA2013B-B.ADA	P	BA3007B3	C
BA1020B5	C	BA3001A-AB.ADA	P	BA3007B4	C
BA1020B6M	C	BA3001AQM	C	BA3007B5	C
BA1020C-B.ADA	P	BA3001A1	C	BA3007B6	C
BA1020COM	C	BA3001A2	C	BA3007B7	C
BA1020C1	C	BA3001A3	C	BA3007B8M	C
BA1020C2	C	BA3001B.ADA	P	BA3008A-B.ADA	P
BA1020C3	C	BA3001BQM	C	BA3008A0	C
BA1020C4	C	BA3001B1	C	BA3008A1	C
BA1020C5	C	BA3001C-AB.ADA	P	BA3008A2	C
BA1101A-AB.ADA	P	BA3001COM	C	BA3008A3	C
BA1101B-B.ADA	P	BA3001C1	C	BA3008A4	C
BA1101BQM	C	BA3001D-AB.ADA	P	BA3008A5M	C
BA1101B1	C	BA3001DQM	C	BA3008B-B.ADA	P
BA1101B2	C	BA3001D1	C	BA3008B0	C

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BA3008B1	C	CA1011A6M	W	CA1108A-B.ADA	W
BA3008B2	C	CA1012A-B.DEP	P	CA1108B-B.ADA	W
BA3008B3	C	CA1012A0	C	CA2001H-B.ADA	P
BA3008B4	C	CA1012A1	C	CA2001H0	C
BA3008B5	C	CA1012A2	C	CA2001H1	C
BA3008B6M	C	CA1012A3	C	CA2001H2	C
BA3013A-B.ADA	P	CA1012A4M	C	CA2001H3M	C
BA3013A0	C	CA1012B-B.ADA	P	CA2002A-B.ADA	P
BA3013A1	C	CA1012B0	C	CA2002A0M	C
BA3013A2	C	CA1012B2	C	CA2002A1	C
BA3013A3	C	CA1012B4M	C	CA2002A2	C
BA3013A4	C	CA1013A-B.ADA	P	CA2003A-AB.ADA	P
BA3013A5	C	CA1013A0	C	CA2003A0M	C
BA3013A6	C	CA1013A1	C	CA2003A1	C
BA3013A7M	C	CA1013A2	C	CA2004A-AB.ADA	P
CA1002A-B.ADA	P	CA1013A3	C	CA2004A0M	C
CA1002A0	C	CA1013A4	C	CA2004A1	C
CA1002A1	C	CA1013A5	C	CA2004A2	C
CA1002A2	C	CA1013A6M	C	CA2004A3	C
CA1002A3M	C	CA1014A-AB.ADA	P	CA2004A4	C
CA1002A4	C	CA1014A0M	C	CA2007A-AB.ADA	P
CA1002A5	C	CA1014A1	C	CA2007A0M	C
CA1002A6	C	CA1014A2	C	CA2007A1	C
CA1002A7	C	CA1014A3	C	CA2007A2	C
CA1002A8	C	CA1022A-B.ADA	P	CA2007A3	C
CA1002A9	C	CA1022A0	C	CA2008A-B.ADA	P
CA1003A-AB.ADA	P	CA1022A1	C	CA2008A0M	C
CA1003B-AB.ADA	W	CA1022A2	C	CA2008A1	C
CA1004A-AB.ADA	P	CA1022A3	C	CA2008A2	C
CA1005A-AB.ADA	P	CA1022A4	C	CA2009A-B.DEP	P
CA1006A-AB.ADA	P	CA1022A5	C	CA2009B-B.DEP	W
CA1007A-AB.ADA	P	CA1022A6M	C	CA2009C-B.DEP	N/A
CA1007A0	C	CA1102A-B.ADA	P	CA2009C0M	N/A
CA1007A1M	C	CA1102A0	C	CA2009C1	N/A
CA1008A-AB.ADA	P	CA1102A1	C	CA2009D-B.DEP	P
CA1008A0	C	CA1102A2M	C	CA2009E-B.DEP	W
CA1008A1M	C	CA1105A-B.ADA	P	CA2009F-B.DEP	W
CA1009A-AB.ADA	P	CA1105A0	C	CA2009F0M	W
CA1009A0	C	CA1105A1M	C	CA2009F1	W
CA1009A1	C	CA1105B-B.ADA	P	CA3002A-B.ADA	P
CA1009A2	C	CA1105B0	C	CA3002A0	C
CA1009A3	C	CA1105B1	C	CA3002A1	C
CA1009A4M	C	CA1105B2	C	CA3002A2M	C
CA1011A-B.ADA	W	CA1105B3M	C	CA3002A3	C
CA1011A0	W	CA1105B4	C	CA3006C-B.ADA	P
CA1011A1	W	CA1105B5	C	CA3006C0	C
CA1011A2	W	CA1107A.ADA	P	CA3006C1	C
CA1011A3	W	CA1107A0	C	CA3006C2	C
CA1011A4	W	CA1107A1M	C	CA3006C3	C
CA1011A5	W	CA1107A2	C	CA3006C4	C

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CA3006C5M	C	CA5002B6	C	LA3004A2	C
CA3006D-B.ADA	P	CA5002B7M	C	LA3004A3	C
CA3006D0	C	CA5003A-B.ADA	P	LA3004A4	C
CA3006D1	C	CA5003A0	C	LA3004A5	C
CA3006D2	C	CA5003A1	C	LA3004A6M	C
CA3006D3M	C	CA5003A2	C	LA3004B-B.ADA	P
CA3006E-B.ADA	P	CA5003A3	C	LA3004B0	C
CA3006E0	C	CA5003A4	C	LA3004B1	C
CA3006E1	C	CA5003A5	C	LA3004B2	C
CA3006E2	C	CA5003A6M	C	LA3004B3	C
CA3006E3	C	CA5003B-B.ADA	P	LA3004B4	C
CA3006E4	C	CA5003B0	C	LA3004B5	C
CA3006E5	C	CA5003B1	C	LA3004B6M	C
CA3006E6M	C	CA5003B2	C	LA5001A-B.ADA	P
CA5002A-B.ADA	P	CA5003B3	C	LA5001A0	C
CA5002B-B.ADA	P	CA5003B4	C	LA5001A1	C
CA5002B0	C	CA5003B5M	C	LA5001A2	C
CA5002B1	C	CA5004A-B.ADA	P	LA5001A3	C
CA5002B2	C	CA5004B-B.ADA	P	LA5001A4	C
CA5002B3	C	LA3004A-AB.ADA	P	LA5001A5	C
CA5002B4	C	LA3004A0	C	LA5001A6	C
CA5002B5	C	LA3004A1	C	LA5001A7M	C

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BB2001A-AB.ADA	P	CB1003A-AB.ADA	P	CB4003A-AB.ADA	P
BB2002A-AB.ADA	P	CB1004A-AB.ADA	P	CB4004A-B.ADA	P
BB2003A-AB.ADA	P	CB2004A-B.ADA	P	CB4005A-AB.ADA	P
BB2003B-AB.ADA	P	CB2005A-B.ADA	P	CB4006A-B.ADA	P
BB2003C-AB.ADA	P	CB2006A-AB.ADA	P	CB4008A-AB.ADA	P
BB3001A-B.ADA	P	CB2007A-AB.ADA	P	CB4009A-AB.ADA	P
BB3002A-AB.ADA	P	CB3003A-B.ADA	P	CB5001A-B.ADA	P
BB3005A-AB.ADA	P	CB3004A-AB.ADA	P	CB5001B-B.ADA	P
CB1001A-B.ADA	P	CB4001A-AB.ADA	P		
CB1002A-B.ADA	P	CB4002A-AB.ADA	P		

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BC1001A-B.ADA	P	BC2001B-AB.ADA	P	BC3205D 1M	W
BC1002A-B.ADA	P	BC2001C-AB.ADA	P	BC3205D2	W
BC1008A-AB.ADA	P	BC20ABA-B.ADA	P	BC3205E-B.ADA	P
BC1008B-AB.ADA	P	BC3002A-AB.ADA	P	BC3205F-B.ADA	P
BC1008C-AB.ADA	P	BC3002B-AB.ADA	P	BC3220B-B.ADA	P
BC1009A-AB.ADA	P	BC3002C-AB.ADA	P	BC32ABA-B.ADA	P
BC1011A-AB.ADA	P	BC3002D-AB.ADA	P	BC32ADA-B.ADA	P
BC1011B-AB.ADA	P	BC3002E-AB.ADA	P	BC3301A-AB.ADA	P
BC1012A-AB.ADA	P	BC3003A-AB.ADA	P	BC3301B-AB.ADA	P
BC1013A-B.ADA	W	BC3003B-AB.ADA	P	BC3302A-AB.ADA	P
BC10ABA-B.ADA	P	BC3005A-AB.ADA	P	BC3302B-AB.ADA	P
BC10ABB-B.ADA	P	BC3006A-AB.ADA	P	BC3303A-AB.ADA	P
BC10ACA-B.ADA	P	BC3009A-B.ADA	P	BC3304A-AB.ADA	P
BC10ADA-B.ADA	P	BC3009B-B.ADA	P	BC33ABA-B.ADA	P
BC10AEA-B.ADA	P	BC3009C-B.ADA	P	BC33ACA-B.ADA	P
BC10AEB-B.ADA	P	BC3011B-B.ADA	P	BC33ADA-B.ADA	P
BC10AEC-B.ADA	P	BC3011C-AB.ADA	P	BC33AEA-B.ADA	P
BC10AED-B.ADA	P	BC3013A-AB.ADA	P	BC3401A-AB.ADA	P
BC10AFA-B.ADA	P	BC3018A-B.ADA	P	BC3401B-AB.ADA	P
BC10AGA-B.ADA	P	BC30ABA-B.ADA	P	BC3402A-AB.ADA	P
BC1101A-AB.ADA	P	BC30ACA-B.ADA	P	BC3402B-AB.ADA	P
BC1102A-B.ADA	P	BC3101A-B.ADA	P	BC3403A-AB.ADA	P
BC1103A-B.ADA	P	BC3101B-B.ADA	P	BC3403B-AB.ADA	P
BC1104A-B.ADA	P	BC3102A-B.ADA	P	BC3403C-AB.ADA	P
BC1104B-B.ADA	P	BC3102B-B.ADA	P	BC3404A-AB.ADA	P
BC1106A-AB.ADA	P	BC3103A-AB.ADA	P	BC3404B-B.ADA	P
BC1107A-B.ADA	P	BC3103B-AB.ADA	P	BC3404C-AB.ADA	P
BC11ABA-B.ADA	P	BC31ABA-B.ADA	P	BC3404D-AB.ADA	P
BC11ACA-B.ADA	P	BC31ACA-B.ADA	P	BC3404E-AB.ADA	P
BC1201A-AB.ADA	P	BC31ADA-B.ADA	P	BC3404F-AB.ADA	P
BC1201B-AB.ADA	P	BC3201A-B.ADA	P	BC3405A-AB.ADA	P
BC1201C-AB.ADA	P	BC3201B-AB.ADA	P	BC3405B-B.ADA	W
BC1201D-AB.ADA	P	BC3201C-B.ADA	P	BC3405D-AB.ADA	P
BC1202A-AB.ADA	P	BC3202A-B.ADA	P	BC3405E-AB.ADA	P
BC1202B-AB.ADA	P	BC3202B-B.ADA	P	BC3405F-AB.ADA	P
BC1202C-AB.ADA	P	BC3202C-B.ADA	P	BC3501A-AB.ADA	P
BC1202D-AB.ADA	P	BC3203B-B.ADA	P	BC3501B-AB.ADA	P
BC1203A-AB.ADA	P	BC3204A-B.ADA	W	BC3501C-AB.ADA	P
BC1207A-B.ADA	P	BC3204B-B.ADA	W	BC3501D-AB.ADA	P
BC1226A-B.ADA	P	BC3204C-B.ADA	W	BC3501E-AB.ADA	P
BC12ABA-B.ADA	P	BC3204C0	W	BC3501F-AB.ADA	P
BC12ACA-B.ADA	P	BC3204C 1M	W	BC3501G-AB.ADA	P
BC12ACB-B.ADA	P	BC3204C2	W	BC3501H-AB.ADA	P
BC1303A-AB.ADA	P	BC3204D-B.ADA	W	BC3501I-AB.ADA	P
BC1303B-AB.ADA	P	BC3204E-B.ADA	P	BC3501J-AB.ADA	P
BC1303C-AB.ADA	P	BC3205A-B.ADA	W	BC3501K-AB.ADA	P
BC1303D-AB.ADA	P	BC3205B-B.ADA	W	BC3502A-AB.ADA	P
BC1303E-AB.ADA	P	BC3205C-B.ADA	W	BC3502B-AB.ADA	P
BC1306A-B.ADA	P	BC3205D-B.ADA	W	BC3502C-AB.ADA	P
BC13ABA-B.ADA	P	BC3205D0	W	BC3502D-AB.ADA	P

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BC3502E-AB.ADA	P	CC1305B-AB.ADA	P	CC3407A-AB.ADA	P
BC3502F-AB.ADA	P	CC1307A-AB.ADA	P	CC3407B-AB.ADA	P
BC3502G-AB.ADA	P	CC1308A-AB.ADA	P	CC3407C-AB.ADA	P
BC3502H-AB.ADA	P	CC1310A-AB.ADA	P	CC3407D-AB.ADA	P
BC3502I-AB.ADA	P	CC2002A-AB.ADA	P	CC3407E-AB.ADA	P
BC3502J-AB.ADA	P	CC3004A-B.ADA	P	CC3407F-AB.ADA	P
BC3502K-AB.ADA	P	CC3007A-AB.ADA	P	CC3408A-AB.ADA	P
BC3502L-AB.ADA	P	CC3011A-B.ADA	P	CC3408B-AB.ADA	P
BC3502M-AB.ADA	P	CC3011D-B.ADA	P	CC3408C-AB.ADA	P
BC3502N-AB.ADA	P	CC3012A-AB.ADA	P	CC3408D-B.ADA	P
BC3502O-AB.ADA	P	CC3120A-AB.ADA	P	CC3504A-B.ADA	P
BC3503A-B.ADA	P	CC3120B-B.ADA	P	CC3504B-B.ADA	P
BC3503B-B.ADA	P	CC3125A-B.ADA	P	CC3504C-B.ADA	P
BC3503C-B.ADA	P	CC3203A-B.ADA	P	CC3504D-B.ADA	P
BC3503D-B.ADA	P	CC3208A-AB.ADA	P	CC3504E-B.ADA	P
BC3503F-B.ADA	P	CC3208B-AB.ADA	P	CC3504F-B.ADA	P
CC1004A-AB.ADA	P	CC3305A-AB.ADA	P	CC3504G-B.ADA	P
CC1010A-AB.ADA	P	CC3305B-AB.ADA	P	CC3504H-B.ADA	P
CC1010B-AB.ADA	P	CC3305C-AB.ADA	P	CC3504I-B.ADA	P
CC1204A-B.ADA	P	CC3305D-AB.ADA	P	CC3504J-B.ADA	P
CC1220A-B.ADA	P	CC3406A-AB.ADA	P	CC3504K-B.ADA	P
CC1301A-B.ADA	P	CC3406B-AB.ADA	P	CC3601C-AB.ADA	P
CC1302A-AB.ADA	P	CC3406C-AB.ADA	P	CC3602A-AB.ADA	P
CC1304A-AB.ADA	P	CC3406D-B.ADA	P		



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AE2101A-B.ADA	P	CE2111A-B.ADA	P	CE3115A-B.ADA	N/A
AE2101B-B.ADA	P	CE2111B-B.ADA	P	CE3201A-B.ADA	P
AE2101C-B.DEP	P	CE2111C-B.ADA	P	CE3202A-B.ADA	P
AE2101D-B.ADA	P	CE2111D-B.ADA	N/A	CE3203A-B.ADA	P
AE3101A-B.ADA	P	CE2201A-B.ADA	P	CE3206A-B.ADA	P
AE3702A-B.ADA	P	CE2201B-B.ADA	P	CE3208A-B.ADA	P
AE3709A-B.ADA	P	CE2201C-B.ADA	P	CE3301A-B.ADA	P
BE2101E-B.ADA	P	CE2201D-B.DEP	P	CE3301B-B.ADA	P
BE2112A-B.ADA	P	CE2201E-B.DEP	P	CE3301C-B.ADA	P
BE2112B-B.ADA	P	CE2201F-B.ADA	P	CE3302A-B.ADA	P
BE2112C-B.ADA	P	CE2202A-B.ADA	P	CE3303A-B.ADA	P
BE2114A-B.ADA	P	CE2204A-B.ADA	P	CE3305A-B.ADA	P
BE2208A-B.ADA	P	CE2204B-B.ADA	P	CE3402A-B.ADA	P
BE3001A-B.ADA	P	CE2210A-B.ADA	P	CE3402B-B.ADA	P
BE3002A-B.ADA	P	CE2401A-B.ADA	P	CE3402C-B.ADA	P
BE3002E-B.ADA	P	CE2401B-B.ADA	P	CE3402D-B.ADA	P
BE3105A-B.ADA	P	CE2401C-B.ADA	P	CE3402E-B.ADA	P
BE3205A-B.ADA	P	CE2401D-B.DEP	N/A	CE3403A-B.ADA	P
BE3501A-B.ADA	P	CE2401E-B.ADA	P	CE3403B-B.ADA	P
BE3606C-B.ADA	P	CE2401F-B.ADA	P	CE3403C-B.ADA	P
BE3703A-B.ADA	P	CE2402A-B.ADA	P	CE3403D-B.ADA	P
BE3802A-B.ADA	P	CE2404A-B.ADA	P	CE3403E-B.ADA	P
BE3803A-B.ADA	P	CE2405B-B.ADA	P	CE3403F-B.ADA	P
BE3902A-B.ADA	P	CE2406A-B.ADA	P	CE3404A-B.ADA	P
BE3903A-B.ADA	P	CE2407A-B.ADA	P	CE3404B-B.ADA	P
CE2102A-B.ADA	P	CE2408A-B.ADA	P	CE3404C-B.ADA	P
CE2102B-B.ADA	P	CE2409A-B.ADA	P	CE3405A-B.ADA	P
CE2102C-B.TST	P	CE2410A-B.ADA	P	CE3405B-B.ADA	P
CE2102D-B.ADA	P	CE3002B-B.TST	P	CE3405C-B.ADA	P
CE2102E-B.ADA	P	CE3002C-B.TST	P	CE3405D-B.ADA	P
CE2102F-B.ADA	P	CE3002D-B.ADA	P	CE3406A-B.ADA	P
CE2102G-B.ADA	P	CE3002F-B.ADA	P	CE3406B-B.ADA	P
CE2103A-B.TST	P	CE3102A-B.ADA	P	CE3406C-B.ADA	P
CE2103B-B.TST	P	CE3102B-B.TST	P	CE3406D-B.ADA	P
CE2104A-B.ADA	P	CE3103A-B.ADA	P	CE3407A-B.ADA	P
CE2104B-B.ADA	P	CE3104A-B.ADA	P	CE3407B-B.ADA	P
CE2105A-B.ADA	P	CE3107A-B.TST	P	CE3407C-B.ADA	P
CE2106A-B.ADA	P	CE3108A-B.ADA	P	CE3408A-B.ADA	P
CE2107A-B.ADA	P	CE3108B-B.ADA	P	CE3408B-B.ADA	P
CE2107B-B.ADA	N/A	CE3109A-B.ADA	P	CE3408C-B.ADA	P
CE2107C-B.ADA	N/A	CE3110A-B.ADA	P	CE3409A-B.ADA	P
CE2107D-B.ADA	N/A	CE3111A-B.ADA	P	CE3409B-B.ADA	P
CE2107E-B.ADA	N/A	CE3111B-B.ADA	N/A	CE3409C-B.ADA	P
CE2108A-B.ADA	N/A	CE3111C-B.ADA	N/A	CE3409D-B.ADA	P
CE2108B-B.ADA	P	CE3111D-B.ADA	N/A	CE3409E-B.ADA	P
CE2108C-B.ADA	N/A	CE3111E-B.ADA	N/A	CE3409F-B.ADA	P
CE2108D-B.ADA	P	CE3112A-B.ADA	N/A	CE3410A-B.ADA	P
CE2109A-B.ADA	P	CE3112B-B.ADA	P	CE3410B-B.ADA	P
CE2110A-B.ADA	P	CE3114A-B.ADA	P	CE3410C-B.ADA	P
CE2110B-B.ADA	N/A	CE3114B-B.ADA	N/A	CE3410D-B.ADA	P

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CE3410E-B.ADA	P	CE3704B-B.ADA	P	CE3804M-B.ADA	P
CE3410F-B.ADA	P	CE3704C-B.ADA	P	CE3805A-B.ADA	P
CE3411A-B.ADA	P	CE3704D-B.ADA	P	CE3805B-B.ADA	P
CE3411C-B.ADA	P	CE3704E-B.ADA	P	CE3806A-B.ADA	P
CE3412A-B.ADA	P	CE3704F-B.ADA	P	CE3806C-B.ADA	P
CE3412C-B.ADA	P	CE3704M-B.ADA	W	CE3806D-B.ADA	P
CE3413A-B.ADA	P	CE3704N-B.ADA	P	CE3806E-B.ADA	P
CE3413C-B.ADA	P	CE3704O-B.ADA	P	CE3809A-B.ADA	P
CE3601A-B.ADA	P	CE3706C-B.ADA	P	CE3809B-B.ADA	P
CE3602A-B.ADA	P	CE3706D-B.ADA	P	CE3810A-B.ADA	P
CE3602B-B.ADA	P	CE3706F-B.ADA	P	CE3901A-B.ADA	P
CE3602C-B.ADA	P	CE3706G-B.ADA	P	CE3905A-B.ADA	P
CE3602D-B.ADA	P	CE3707A-B.ADA	P	CE3905B-B.ADA	P
CE3603A-B.ADA	W	CE3708A-B.ADA	P	CE3905C-B.ADA	P
CE3604A-B.ADA	W	CE3801A-B.ADA	P	CE3905L-B.ADA	P
CE3605A-B.ADA	P	CE3804A-B.ADA	P	CE3906A-B.ADA	P
CE3605B-B.ADA	P	CE3804B-B.ADA	P	CE3906B-B.ADA	P
CE3605C-B.ADA	P	CE3804C-B.ADA	P	CE3906C-B.ADA	P
CE3605D-B.ADA	P	CE3804D-B.ADA	P	CE3906D-B.ADA	P
CE3605E-B.ADA	P	CE3804E-B.ADA	P	CE3906E-B.ADA	P
CE3606A-B.ADA	P	CE3804F-B.ADA	P	CE3906F-B.ADA	P
CE3606B-B.ADA	P	CE3804G-B.ADA	P	CE3907A-B.ADA	P
CE3701A-B.ADA	P	CE3804I-B.ADA	P	CE3908A-B.ADA	P
CE3704A-B.ADA	P	CE3804K-B.ADA	P	EE3102C-B.ADA	P

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